

EXHIBIT 1-3 TO
REQUEST FOR JUDICIAL NOTICE

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OCT 18 2005

PTO/SB/30 (04-05)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Request For Continued Examination (RCE) Transmittal Address to: MS RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	10/082,596
	Filing Date	February 22, 2002
	First Named Inventor	Lee H. GRANT
	Art Unit	2167
	Examiner Name	G. Robinson
	Attorney Docket Number	588582000120

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i. Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

ii. Other _____

b. Enclosed

i. Amendment/Reply

ii. Affidavit(s)/Declaration(s)

iii. Information Disclosure Statement (IDS)

iv. Other Fee Transmittal + duplicate for fee processing (2 pages); Petition for Extension of Time (1 page); Facsimile Cover Sheet

2. **Miscellaneous**

a. Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

b. Other _____

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

a. The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments to Deposit Account No. 03-1952 I have enclosed a duplicate copy of this sheet. Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

i. RCE fee required under 37 CFR 1.17(e) 10/20/2005 BABRAHA1 00000036 031952 10082596

ii. Extension of time fee (37 CFR 1.136 and 1.17) 01 FC:2801 395.00 DA

iii. Other _____

b. Check in the amount of \$ _____ enclosed

c. Payment by credit card (Form PTO-2038 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED			
Signature		Date	October 18, 2005
Name (Print/Type)	Thomas Chan	Registration No.	51,543

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office. Facsimile No. (571) 273-8300, on the date shown below.
 Dated: October 18, 2005 Signature: Martina Placid (Martina Placid)

pa-1017173

OCT 18 2005


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PTO/SB/22 (12-04)

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2005 (Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)		Docket Number (Optional) 588582000120																									
Application Number	10/082,596	Filed	February 22, 2002																								
For METHOD OF CODING, CATEGORIZING, AND RETRIEVING NETWORK PAGES AND SITES																											
Art Unit	2167	Examiner	G. Robinson																								
<p>This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.</p> <p>The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):</p> <table border="1"> <thead> <tr> <th></th> <th>Fee</th> <th colspan="2">Small Entity Fee</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))</td> <td>\$120</td> <td>\$60</td> <td>\$ 60.00</td> </tr> <tr> <td><input type="checkbox"/> Two months (37 CFR 1.17(a)(2))</td> <td>\$450</td> <td>\$225</td> <td>\$</td> </tr> <tr> <td><input type="checkbox"/> Three months (37 CFR 1.17(a)(3))</td> <td>\$1020</td> <td>\$510</td> <td>\$</td> </tr> <tr> <td><input type="checkbox"/> Four months (37 CFR 1.17(a)(4))</td> <td>\$1590</td> <td>\$795</td> <td>\$</td> </tr> <tr> <td><input type="checkbox"/> Five months (37 CFR 1.17(a)(5))</td> <td>\$2160</td> <td>\$1080</td> <td>\$</td> </tr> </tbody> </table> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input type="checkbox"/> A check in the amount of the fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>03-1952</u>. I have enclosed a duplicate copy of this sheet. Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.</p> <p>I am the <input type="checkbox"/> applicant/inventor. <input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). <input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>51,543</u> <input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____</p> <p> _____ Signature</p> <p><u>October 18, 2005</u> _____ Date</p> <p><u>Thomas Chan</u> _____ Typed or printed name</p> <p><u>(650) 813-5616</u> _____ Telephone Number</p> <p>NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. see below.</p> <p><input checked="" type="checkbox"/> Total of <u>1</u> forms are submitted.</p>					Fee	Small Entity Fee		<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60	\$ 60.00	<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$450	\$225	\$	<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1020	\$510	\$	<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1590	\$795	\$	<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2160	\$1080	\$
	Fee	Small Entity Fee																									
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60	\$ 60.00																								
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$450	\$225	\$																								
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1020	\$510	\$																								
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<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2160	\$1080	\$																								

10/20/2005 BABRAHA1 00000036 031952 10082596

02 FC:2251 60.00 DA

OCT 18 2005

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FACSIMILE: 650.494.0792

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To:

NAME:	FACSIMILE:	TELEPHONE:
MS RCE Commissioner for Patents US Patent and Trademark Office	(571) 273-8300	(571) 272-4118

FROM: Thomas C. Chan

DATE: October 18, 2005

Number of pages with cover page:	5
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Preparer of this slip has confirmed that facsimile number given is correct: 9013/mxp4

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Comments:

ATTORNEY DOCKET NO.:	588582000120
GROUP ART UNIT:	2167
EXAMINER:	G. ROBINSON
APPLICATION NO.	10/082,596
FILED:	FEBRUARY 22, 2002
INVENTOR(S):	LEE H. GRANT ET AL.
TITLE:	METHOD OF CODING, CATEGORIZING, AND RETRIEVING NETWORK PAGES AND SITES
PAPERS ATTACHED:	
	1. Request for Continued Examination (RCE) Transmittal (1 page)
	2. Fee Transmittal + duplicate for fee processing (2 pages)
	3. Petition for Extension of Time (1 page)

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004, Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4810). FEE TRANSMITTAL For FY 2005		Complete If Known	
		Application Number	10/082,596
		Filing Date	February 22, 2002
		First Named Inventor	Lee H. GRANT
		Examiner Name	G. Robinson
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	2167
TOTAL AMOUNT OF PAYMENT	(\$)	Attorney Docket No.	588582000120
	455.00		

METHOD OF PAYMENT (check all that apply)

Check
 Credit Card
 Money Order
 None
 Other (please identify): _____

Deposit Account
 Deposit Account Number: 03-1952
 Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below
 Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17
 Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims Fee (\$)	Multiple Dependent Claims Fee Paid (\$)
31	- 50 =	0	0.00	180.00	0.00

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
3	- 11 =	0	0.00

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	70	(round up to a whole number) x		


4. OTHER FEE(S)

Description	Fee (\$)	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)		
Other (e.g., late filing surcharge): 2251 Extension for response within first month	60.00	
2801 Request for continued examination (RCE).	395.00	

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	51,543	Telephone	(650) 813-5616
Name (Print/Type)	Thomas Chan	Date	October 18, 2005		

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Dated: September 8, 2005 Signature: 
(Kerry C. Keenan)

Docket No.: 588582000120
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Lee H. GRANT et al.

Application No.: 10/082,596

Art Unit: 2167

Filed: February 22, 2002

Examiner: G. Robinson

For: METHOD OF CODING, CATEGORIZING,
AND RETRIEVING NETWORK PAGES AND
SITES

**AFTER FINAL, EXPEDITED
PROCEDURE**

AMENDMENT AFTER FINAL ACTION (37 C.F.R. SECTION 1.116)

MS AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ENTER
Per / rec
C.P.
10/26/05

Dear Sir:

INTRODUCTORY COMMENTS

This is in response to the final Office Action dated July 11, 2005 (Paper No. 07072005), for which a response was due on October 11, 2005. This response is filed within two months of the issuance of the final Office Action and therefore qualifies for expedited review. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

pa-997650

WEST Search History

DATE: Wednesday, January 04, 2006

Hide?	Set Name Query	Hit Count
	<i>DB=USPT; PLUR=NO; OP=ADJ</i>	
<input type="checkbox"/>	L21 (L20 or I19) and I18	0
<input type="checkbox"/>	L20 copyright	29977
<input type="checkbox"/>	L19 intellectual adj1 property	7657
<input type="checkbox"/>	L18 I12 and I15 and I12	7
<input type="checkbox"/>	L17 I12 and I13 and I12	0
<input type="checkbox"/>	L16 (L13 and I12) and I15 and I12	0
<input type="checkbox"/>	L15 L13 and I12 and I15	0
<input type="checkbox"/>	L14 L13 and I12 and I15 and I12	0
<input type="checkbox"/>	L13 list with catagor\$9	22
<input type="checkbox"/>	L12 status with page	2990
<input type="checkbox"/>	L11 I15 with status	6
<input type="checkbox"/>	L10 I14 and I15 and (I11 or I12)	3
<input type="checkbox"/>	L9 I14 same I15	2
<input type="checkbox"/>	L8 I13 and I15	0
<input type="checkbox"/>	L7 I12 and I13 and I15	0
<input type="checkbox"/>	L6 L5 with (categorizing or organiz\$4)	1
<input type="checkbox"/>	L5 network adj1 page\$1	307
<input type="checkbox"/>	L4 copyright	29977
<input type="checkbox"/>	L3 copyright adj1 status	38
<input type="checkbox"/>	L2 (707/10 or 707/100 or 715/513).ccls.	6357
<input type="checkbox"/>	L1 (5933827).pn.	1

END OF SEARCH HISTORY

WEST Search History

DATE: Thursday, January 05, 2006

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT; PLUR=NO; OP=ADJ</i>		
<input type="checkbox"/>	L16	L15 and (11 or 19 or 14)	12
<input type="checkbox"/>	L15	L14 and (18 or 12)	68
<input type="checkbox"/>	L14	15 with (field or link or icon)	667
<input type="checkbox"/>	L13	19 same 16 same 15	0
<input type="checkbox"/>	L12	user-defined with hotlink\$1	0
<input type="checkbox"/>	L11	L10 and (18 or 12)	5
<input type="checkbox"/>	L10	L9 same categor\$9	26
<input type="checkbox"/>	L9	user-defined with link\$3	456
<input type="checkbox"/>	L8	707/10.ccls.	5355
<input type="checkbox"/>	L7	13 and (14 or 15 or 16)	3
<input type="checkbox"/>	L6	status	290568
<input type="checkbox"/>	L5	copyright	46573
<input type="checkbox"/>	L4	intellectual adj1 property	72340
<input type="checkbox"/>	L3	L2 and 11	15
<input type="checkbox"/>	L2	(715/513 or 715/526 or 707/104.1 or 707/100).ccls.	10833
<input type="checkbox"/>	L1	user-defined adj1 categor\$7	120

END OF SEARCH HISTORY



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,596	02/22/2002	Lee H. Grant	9119/8661	5734

25226 7590 01/09/2006

MORRISON & FOERSTER LLP
755 PAGE MILL RD
PALO ALTO, CA 94304-1018

EXAMINER

ROBINSON, GRETA LEE

ART UNIT PAPER NUMBER

2168

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 10/082,596	Applicant(s) GRANT ET AL.	
Examiner Greta L. Robinson	Art Unit 2168	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 18 October 2005.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,3-6,8-32 and 51 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,3-6,8-32 and 51 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 February 2002 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 8, 2005 has been entered.

2. Claims 1, 3-6, 8-32 and 51 are pending in the present application. Claims 1, 8, 32 and 51 have been amended. Claims 2, 7, and 33-50 are cancelled.

Drawings

3. The drawings are objected to because of the partial views in Figures 1-3 and 5-9. Note 37 CFR 1.84(h). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the

Art Unit: 2168

drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

Replacement Drawing Sheets

Drawing changes must be made by presenting replacement sheets which incorporate the desired changes and which comply with 37 CFR 1.84. An explanation of the changes made must be presented either in the drawing amendments section, or remarks, section of the amendment paper. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). A replacement sheet must include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of the amended drawing(s) must not be labeled as "amended." If the changes to the drawing figure(s) are not accepted by the examiner, applicant will be notified of any required corrective action in the next Office action. No further drawing submission will be required, unless applicant is notified.

Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and within the top margin.

Annotated Drawing Sheets

A marked-up copy of any amended drawing figure, including annotations indicating the changes made, may be submitted or required by the examiner. The annotated drawing sheet(s) must be clearly labeled as "Annotated Sheet" and must be presented in the amendment or remarks section that explains the change(s) to the drawings.

Art Unit: 2168

Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.85(a). Failure to take corrective action within the set period will result in ABANDONMENT of the application.

If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 1, 3-6, 8-32, and 51 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding claims 1, 3-6, 8-32 and 51 the limitation *categories* does not appear to be clearly defined or described on the following pages. Note **page 13 lines 18-23** and **page 21 lines 4-7**. For example, the specification appears to state that the categories medical studies and scientific research are types of sexually explicit material; this appear contrary to standard definitions and is unclear with respect to category types

given on page 9 lines 6-11. Note page 9 lines 6-11 appear to separate the category government from explicit.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claims 1, 3-6, 8-32 and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cole et al. US Patent 5,933,827.

Regarding claim 1, Cole et al. teaches a method of categorizing a network page [note: "*The system comprises a cataloging function which defines a hierarchy of subject*

Art Unit: 2168

categories, logically arranges a multitude of web pages in the categories and periodically adds web pages in the categories" abstract], comprising the steps of:

providing a list of categories, wherein said list of categories include a category for transacting business and a category for providing information, and wherein said list of categories include a plurality of categories based on the copyright status of material on a page [note: "RECEIVE WEB PAGE LIST FROM CATALOGING FUNCTION" step 332 Figure 7]; and

assigning said network page to one or more said list of categories [note: abstract; column 5 lines 27-59].

Although Cole et al. teaches the invention substantially as cited, they do not explicitly teach that the categories are categories based on the copyright status of material on a page. However, Cole et al. does teach a cataloging function and profile building function that allows users to define a subject category [note: abstract "cataloging function which defines a hierarchy of subject categories" col. 2 lines 35-62; col. 4 line 18 through col. 5 line 59]. It would have been obvious to one of ordinary skill at the time of the invention to have implemented a copyright status category since Cole et al. allows for the creation of categories such as business type categories and subcategories through a cataloging function and profile building function. A copy right status category would allow uses to link to business material such as intellectual property.

8. Regarding claims 3-32, "said categories comprise visual, audio ... a categorization code that can be used to label a page ..." {note: Figures 3, 5 and 6; column 1 lines 1-65; column 2 lines 35-54; column 6 lines 23 through column 7 line 7}.

9. Regarding claim 51, "wherein said categories include a plurality of categories based on copyright status of material on a page..." [note: Cole et al. provides for user ability to define the category see column 4 lines 30-66; also note column 5 lines 60 through column 6 line 4].

Response to Arguments

10. Applicant's arguments with respect to claims 1, 3-6, 8-32 and 51 have been considered but are moot in view of the new ground(s) of rejection.

In the response Applicant argued Cole et al. does not teach the limitation of "a plurality of categories based on the copyright status of material on a page". Note in response to this argument the rejection has been changed from 35 USC 102(b) to 35 USC 103(a) citing Cole et al. Note Cole et al. teaches a cataloging function 20 within server 10 to build a database 35 of new entries. The entry may consist of a business category and a sports category (i.e. category for information) [see: column 3 line 65 through column 4 line 17]. Cole et al. provides a list of categories [see: column 4 lines 35-40; and Figure 7 step 332; also note Figures 2, 5, and 6]. Cole et al. cataloging function allows the user to define the hierarchy of a category and the profile building

function provides user-defined categories [note: abstract; Figure 4(a) step 220-222; col. 3 line 53 through col. 4 line 2col. 7 lines 21-59].

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Snow et al. US Patent 6,055,540

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta L. Robinson whose telephone number is (571)272-4118. The examiner can normally be reached on M-F 9:30AM-6:00PM.

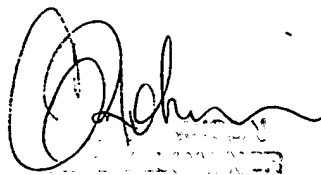
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (571)272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/082,596

Page 9

Art Unit: 2168

A handwritten signature in black ink, appearing to read "Greta Robinson". The signature is stylized with large, overlapping loops and a long, sweeping tail.

Greta Robinson
Primary Examiner
January 5, 2006

Notice of References Cited	Application/Control No. 10/082,596	Applicant(s)/Patent Under Reexamination GRANT ET AL.	
	Examiner Greta L. Robinson	Art Unit 2168	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-6,055,540	04-2000	Snow et al.	707/103R
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U
	V
	W
	X

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



04-12-06

JFW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>	Application Number	10/082,596	
	Filing Date	February 22, 2002	
	First Named Inventor	Lee H. GRANT	
	Art Unit	2168	
	Examiner Name	G. Robinson	
Total Number of Pages in This Submission	22 pages	Attorney Docket Number	588582000120

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply - 13 page <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) (Replacement Figs.1-3 and 5-9) - 8 Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MORRISON & FOERSTER LLP	(Customer No. 25226)	
Signature			
Printed name	Thomas Chan		
Date	April 10, 2006	Reg. No.	51,543

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 535603416 US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: April 10, 2006	Signature: (Georgina Matos)

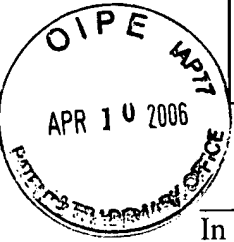
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 535603416 US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 10, 2006

Signature:

Georgina Matos
(Georgina Matos)

Docket No.: 588582000120
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Lee H. GRANT et al.

Application No.: 10/082,596

Filed: February 22, 2002

Art Unit: 2168

For: METHOD OF CODING, CATEGORIZING,
AND RETRIEVING NETWORK PAGES AND
SITES

Examiner: G. Robinson

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This is in response to the non-final Office Action dated January 9, 2006 (Paper No./Mail Date 01052006), for which a response was due on April 9, 2006. Since April 9, 2006 falls on a Sunday, we are filing on Monday, April 10, 2006. Accordingly, this response is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings begin on page 8 of this paper and include an attached replacement sheet.

Amendments to the Specification begin on page 9 of this paper and include an attached replacement sheet.

Remarks/Arguments begin on page 10 of this paper.

An **Appendix** including amended drawing figures is attached following page 13 of this paper.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A computer implemented method of categorizing a network page, comprising:

providing a list of categories, wherein said list of categories include a category for transacting business and a category for providing information, and wherein said list of categories include a [[plurality of categories]] category based on [[the]] copyright status of material on a page;
[[and]]

assigning said network page to one or more of said list of categories~~[[.]]~~;

providing a categorization label for the network page using the copyright status of material on the network page; and

controlling usage of the network page using the categorization label and the copyright status of the network page.

Claim 2 (canceled).

Claim 3 (original): The method of Claim 1, wherein said categories include a plurality of categories based on subject matter.

Claim 4 (previously presented): The method of Claim 3, wherein said categories comprise categories related to government, medical, education and social science, news, sports and recreation, history, science and technology, arts and humanities, finance and business, reference, and explicit.

Claim 5 (original): The method of Claim 1, wherein said categories include a plurality of categories based on the type of files associated with a page.

Claim 6 (original): The method of Claim 5, wherein said categories comprise visual, audio, multimedia, text-only, and communication.

Claim 7 (cancelled).

Claim 8 (previously presented): The method of Claim 1, wherein said plurality of categories based on the copyright status of material on a page comprise categories related to public domain, fair use only, use with attribution, and permission of copyright owner needed.

Claim 9 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter.

Claim 10 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on the type of files associated with a page.

Claim 11 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on the copyright status of the material on a page.

Claim 12 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter; and
a plurality of categories based on the copyright status of the material on a page.

Claim 13 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter; and
a plurality of categories based on the type of files associated with a page.

Claim 14 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter; and
a plurality of categories based on the copyright status of the material on a page.

Claim 15 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter;
a plurality of categories based on the type of files associated with a page; and
a plurality of categories based on the copyright status of the material on a page.

Claim 16 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on the type of files associated with a page; and
a plurality of categories based on the copyright status of the material on a
page.

Claim 17 (previously presented): The method of Claim 1, wherein said categories include:
a plurality of categories based on subject matter;
a plurality of categories based on the type of files associated with a page;
and
a plurality of categories based on the copyright status of the material on a
page.

Claim 18 (previously presented): The method of Claim 1, further comprising providing an indicium for each of said categories.

Claim 19 (original): The method of Claim 18, wherein said indicium comprises an icon.

Claim 20 (original): The method of Claim 18, wherein said indicium comprises two letters.

Claim 21 (currently amended): The method of Claim 1, further comprising providing a categorization code that can be used to label [[a]] the page with [[a]] the categorization label that indicates the categories to which the page is assigned.

Claim 22 (original): The method of Claim 21, wherein said categorization code comprises an indicium for each of said categories.

Claim 23 (original): The method of Claim 22, wherein said indicium comprises two letters.

Claim 24 (original): The method of Claim 22, wherein said categorization label includes the indicia for each category to which a page is assigned.

Claim 25 (original): The method of Claim 21, wherein said categorization label denotes the level of importance of the categories to which a page is assigned.

Claim 26 (original): The method of Claim 25, wherein said categorization label is recognizable by a search engine.

Claim 27 (original): The method of Claim 21, wherein said categorization label further includes an identifier to indicate that said label is part of said categorization code.

Claim 28 (original): The method of Claim 21, wherein said categorization label can be made to apply to an entire Web site.

Claim 29 (previously presented): The method of Claim 21, further comprising making said categorization label recognizable by a search engine.

Claim 30 (previously presented): The method of Claim 1, further comprising making said categories to which a page is assigned recognizable by a search engine.

Claim 31 (original): The method of Claim 1, wherein said list of categories is provided on a graphical user interface.

Claim 32 (currently amended): A computer implemented method for categorizing a network page, comprising:

[[a.]] providing a list of categories, wherein said list of categories include a category for transacting business and a category for providing information, and wherein said list of categories include a plurality of categories based on the copyright status of material on a page; [[and]]

[[b.]] providing a categorization code for labeling the network page with a categorization label, wherein said categorization label indicates a set of categories and subcategories to which the network page is assigned[[.]], and wherein said categorization label indicates the copyright status of material on the network page; and

controlling usage of the network page using the categorization label and the copyright status of the network page.

Claims 33 - 50 (canceled).

Claim 51 (Currently amended): A computer implemented method of categorizing a network page, comprising:

providing a list of categories, wherein said categories include a [[plurality of categories]] category based on the copyright status of material on a page, and wherein the copyright status comprises categories related to public domain, fair use only, use with attribution, and permission of copyright owner needed; [[and]]

assigning said network page to one or more of a plurality of said list of categories[[.]];

providing a categorization label for the network page using the copyright status of material on the network page; and

controlling usage of the network page using the categorization label and the copyright status of the network page.

AMENDMENTS TO THE SPECIFICATION**In the Specification:**

Please amend lines 18-23 on page 13 as follows:

The Explicit category 42 is not combinable with other categories of second tier 14, however, because it is intended that the Explicit category 42 be restricted to pornographic materials. Other types of sexually explicit material, [[such as]] which may be appeared in information related to medical studies and scientific research, and material related to pornography [[such as]] which may be appeared in information related to governmental initiatives and news, may be accessed through the other categories of second tier 14 using “pornography” as a keyword.

Please amend lines 4-7 on page 21 as follows:

Other types of sexually explicit material, [[such as]] which may be appeared in information related to medical studies and scientific research, and material related to pornography [[such as]] which may be appeared in information related to governmental initiatives and news, may be accessed through the other categories of second tier 14 using “pornography” as a keyword.

AMENDMENTS TO THE DRAWINGS

The attached sheet(s) of drawings includes the original Figures 1-3 and 5-9 as filed on February 22, 2002 with the parent application, no changes have been made to these figures.

Attachment: 8 Replacement sheets - Figures 1-3 and 5-9

REMARKS

Claims 1, 3-6, 8-32 and 51 are pending in the present application. By virtue of this response, claims 1, 21, 32 and 51 have been amended, and no new claims have been added. Accordingly, claims 1, 3-6, 8-32 and 51 are currently under consideration. Amendment and cancellation of certain claims is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented.

The amendments to claims 1, 32, and 51 are supported at least by page 12, line 2 to page 16, line 19. Claim 21 is amended to fix the antecedent basis. No new matter has been added. In view of the preceding amendments and the remarks made herein, the present application is believed to be in condition for allowance.

Drawings:

The drawings have been objected to because of the partial views in Figures 1-3 and 5-9.

In response, Applicants suspect the Examiner may have looked at the wrong figures or the Examiner's file has been "corrupted". Applicants have this suspicion because Applicants have not amended these figures since the parent application was filed on February 22, 2002, and the Examiner has been relying on these figures in issuing three previous Office Actions. For the convenience of the Examiner, copies of the original Figures 1-3 and 5-9 as filed on February 22, 2002 are attached. Applicants respectfully request that the Examiner withdraw the objection to the drawings.

35 U.S.C. § 112, First Paragraph

Claims 1, 3-6, 8-32, and 51 stand rejected under 35 U.S.C. § 112, first paragraph as allegedly containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In response, Applicants submit that a person skill in the art would readily appreciate the meaning of *categories* when the term is read in light of the claims, specification, and the figures as a whole. For example, Figures 1-3 and Figures 5-9 illustrate the many categories discussed in different embodiments of the present invention. Specifically, reading pages 13 lines 18-23 and page 21 lines 4-7, where the Examiner indicates the description may be allegedly unclear, a person skill in the art would understand that Explicit is one of the categories. Applicants have used the term “Explicit category” in the lines leading to the description at pages 13 lines 18-23 and page 21 lines 4-7. In addition, Applicants submit that a person skill in the art would understand the term “such as” in pages 13 lines 18-23 and page 21 lines 4-7 to mean “which may be appeared in information related to”, when the phrase “such as” is read in light of the specification and figures. Applicants have amended the specification to clarify this point. Thus, for the reasons presented above and the amendment to the specification, Applicants respectfully request that the Examiner withdraw this written description rejection.

35 U.S.C. § 103(a)

Claims 1, 3-6, 8-32 and 51 stand rejected under 35 U.S.C. § 103(a) as being allegedly obvious over U.S. patent no. 5,933,827 to Cole et al. Applicants respectfully traverse these rejections.

Applicants respectfully submit that the Cole reference does not teach or suggest the element of “a plurality of categories based on the copyright status of material on a page” of the present application, which has been a claim limitation since the September 8, 2005 amendment. In the current Office Action, the Examiner admits that Cole et al. “does not explicitly teach that the categories are categories based on the copyright status of materials on a page. However, Cole et al. does teach a cataloging function and profile building function that allows users to define a subject category [cite omitted]. It would have been obvious to one of ordinary skill at the time of the invention to have implemented a copyright status category since Cole et al. allows for the creation of categories such as business type categories and subcategories through a cataloging function and profile building function. A copy right status category would allow [uses] user to link to business

material such as intellectual property.” (see page 6, January 9, 2006 Office Action, emphasis added)

Applicants respectfully disagree. First, Applicants submit that the Examiner’s response lacks support. It appears that the Examiner has taken the position as a person skill in the field of web page classification and categorization at the time of the invention (priority date May 4, 1999). As the Examiner has indicated in the Office Action, the Cole reference does not teach or suggest the claimed element of creating categories based on the copyright status of material on a page. The obviousness rejection is based on the Examiner’s own knowledge, which the Examiner has not provided any intrinsic or extrinsic evidence to support this knowledge. Merely describing the ability to create various categories does not render the element of creating categories based on the copyright status of material on a page obvious (see page 7, January 9, 2006 Office Action). This claim limitation is not only about having a copyright category; it is also about creating categories based on the copyright status of material on a page. Thus, Applicants respectfully submit that the Examiner has not provided the basis that this claim element is obvious as the Cole references never mention any method of cataloging using the copyright status of material on a page. In addition, since there is no basis that this claim element is obvious, there would be no teaching or suggestion of the motivation to combine this claim element with the Cole reference.

Second, the Cole reference does not teach or suggest “business material such as intellectual property.” If an overly broad business category is sufficient to include intellectual property, even though the Cole reference has not offered any disclosure about this, then this argument would extend to cover the business category includes the law category, (since intellectual property is commonly regarded as a category of law). This is contrary to common understanding that the business category does not include the law category, because it is also a common understanding that a business school does not include a law school, even though business and law are closely related.

To expedite the allowance of the pending application, Applicants have further amended claims 1, 32, and 51. Specifically, claim 1, 32, and 51 have been amended to include the element of

“providing a categorization label for the network page using the copyright status of material on the network page; and controlling usage of the network page using the categorization label and the copyright status of the network page”. Applicants submit that the Cole reference does not teach or suggest these two claim limitations in its cataloging function. Therefore, with these amendments to the independent claims 1, 32, and 51, the rejection based on the Cole reference is moot.

In view of the above, Applicants have shown that the Cole reference does not teach or suggest each and every limitation of the pending application. Each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue. If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below:

In the event the U.S. Patent and Trademark office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 588582000120. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

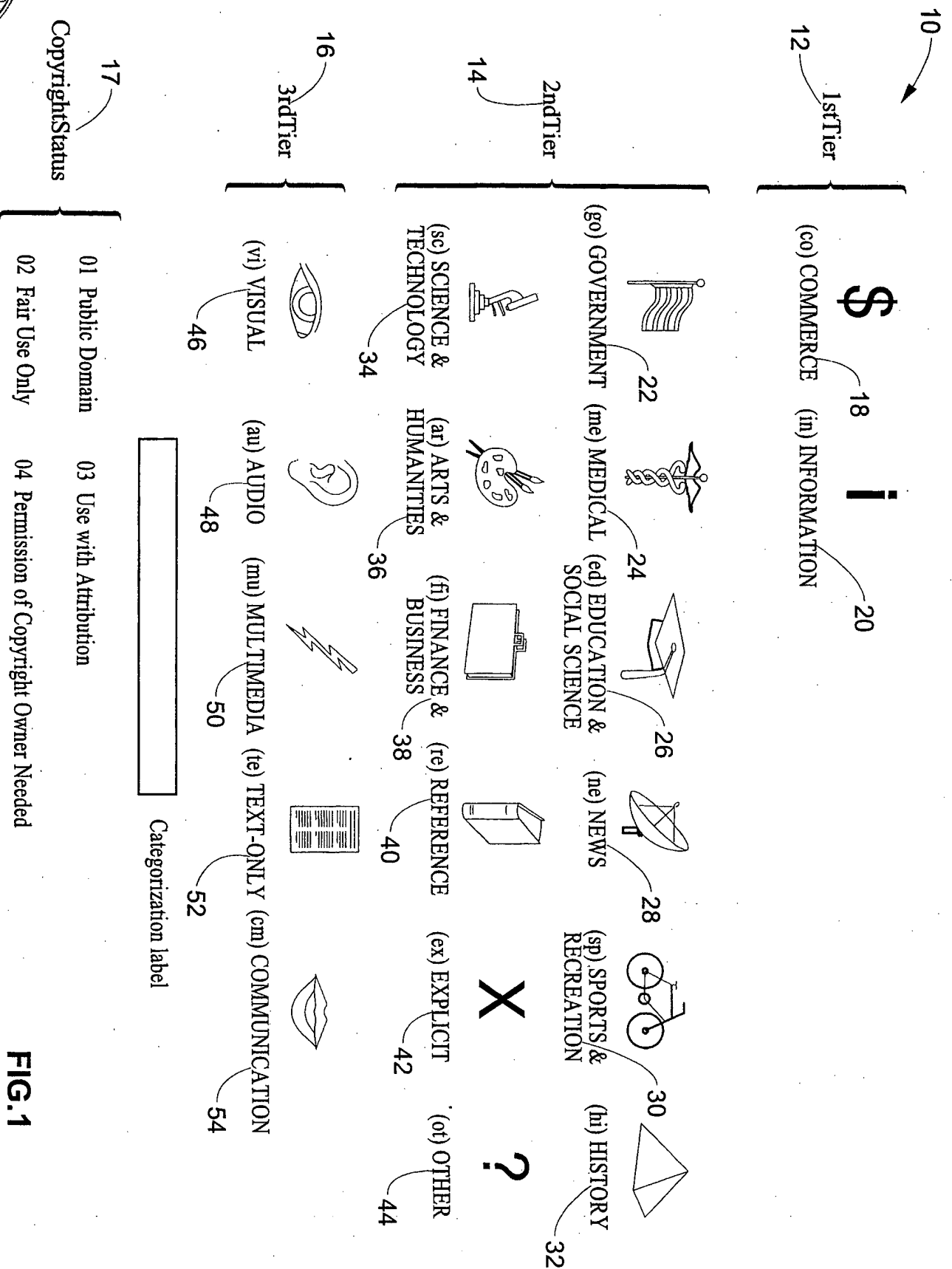
Dated: April 10, 2006

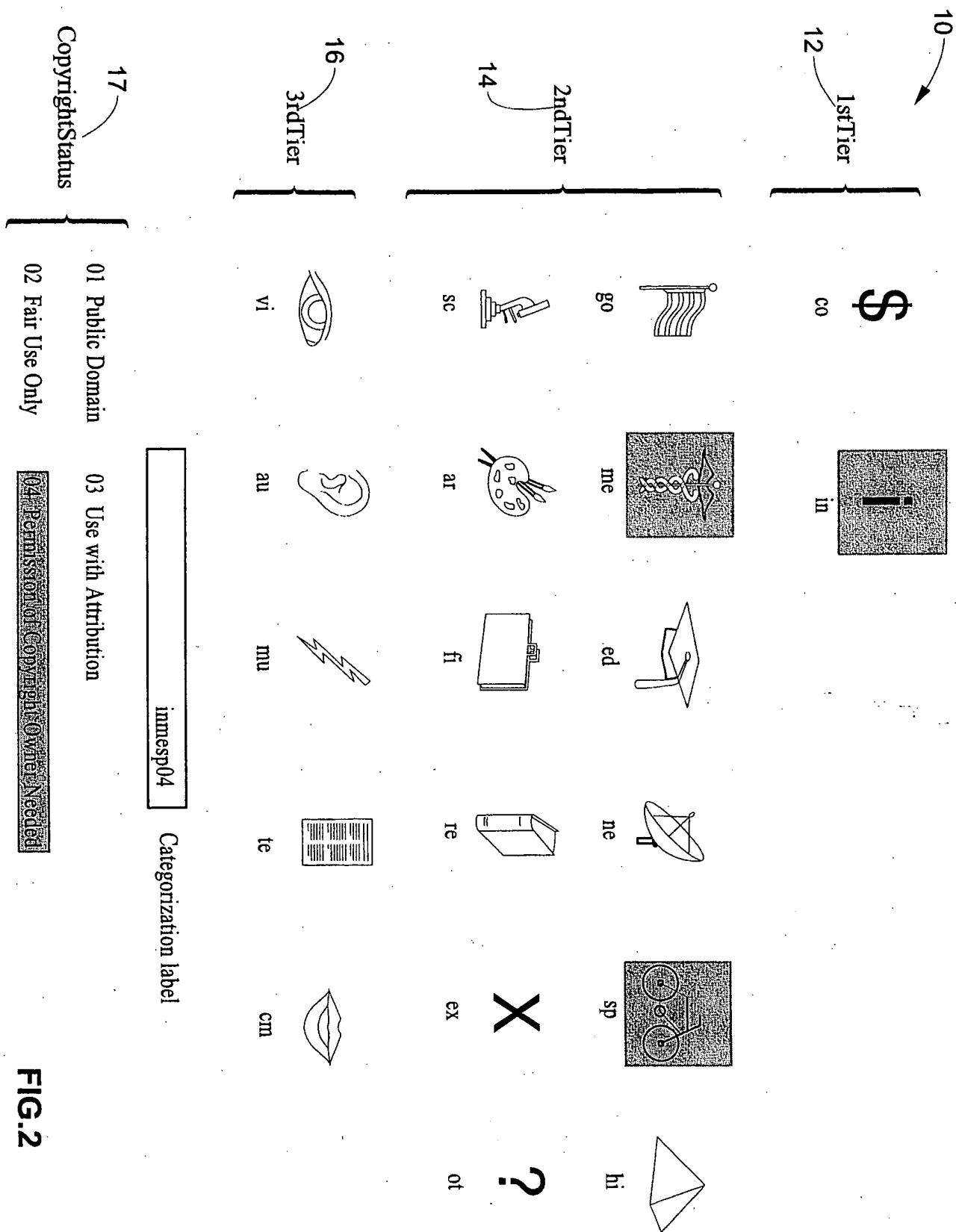
Respectfully submitted,

By 

Thomas Chan
Registration No.: 51,543
MORRISON & FOERSTER LLP
755 Page Mill Road
Palo Alto, California 94304-1018
(650) 813-5616

Attachments





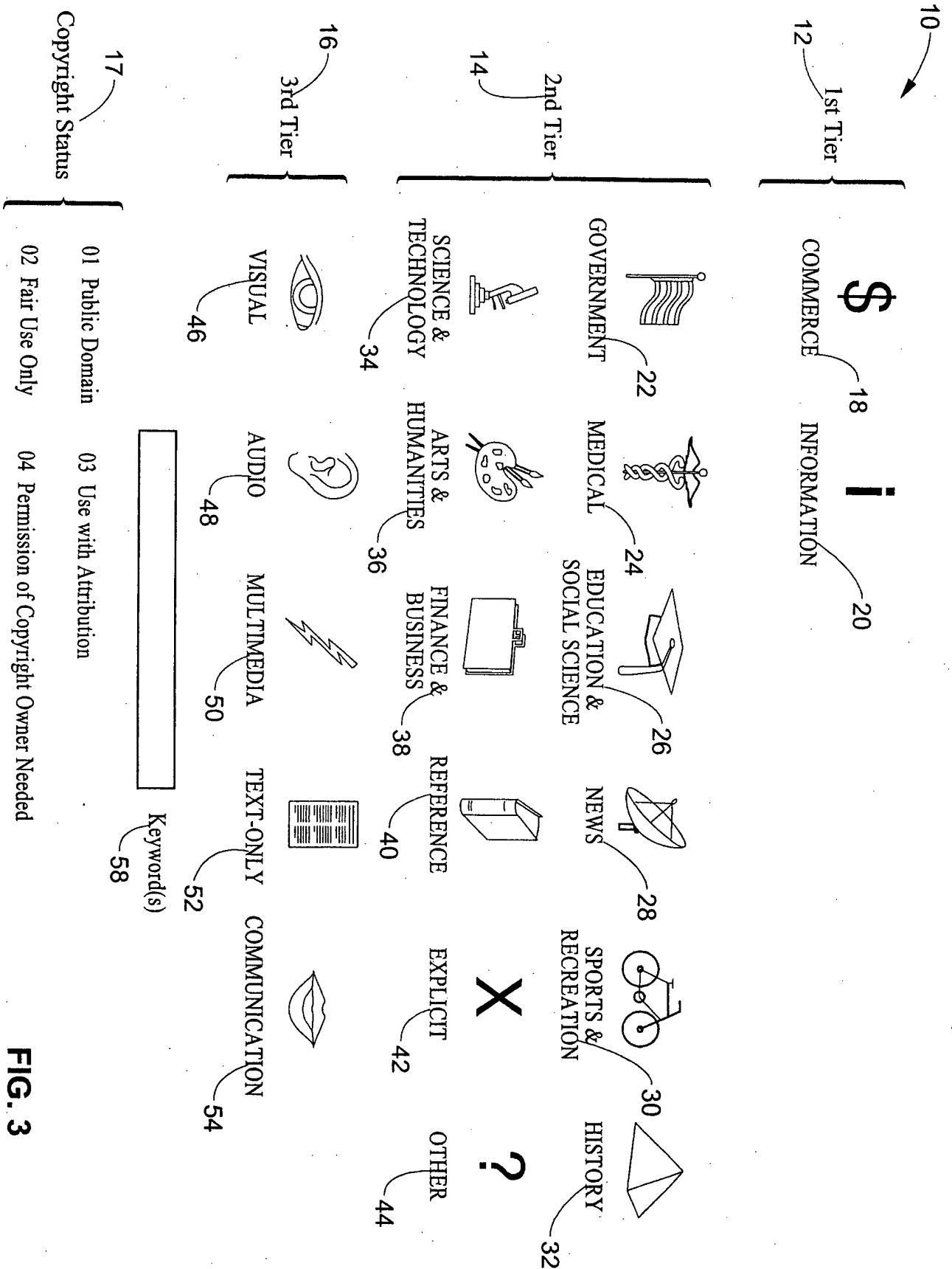


FIG. 3



GOVERNMENT

Federal/state/local government
Law
Military
Nations
Politics
Taxes



MEDICINE

Medicine & treatments
Alternative medicine &
treatments
Dentistry
Disabilities
Diseases
Health
Home care
Hospices
Hospitals
Medical Equipment
Nursing/Nursing homes
Nutrition
Pharmaceuticals



NEWS

Internet news
News magazines
Newspapers
Radio news
Satellite news
Television news



HISTORY

History of people,
places and things

FIG. 5



EDUCATION & SOCIAL SCIENCES

Adult education
Anthropology
Archeology
Colleges & universities
Dissertations
Economics
Folklore
Genealogy
History
Languages
Philosophy
Political Science
Psychology
Public & private schools
Religion
Research
Social issues
Statistics



SCIENCE & TECHNOLOGY

Aeronautics & space
Agriculture
Astronomy
Biology
Botany
Chemistry
Computers & Internet
Ecology
Electronics
Engineering
Geography (maps and atlases)
Mathematics
Oceanography
Paleontology & paleozoology
Physics
Technical processes
Technological advances
Weather
Zoology



SPORTS & RECREATION

Camping
Crafts
Food & cooking
Games & toys
Gardening
Hobbies
Home improvements
Pets
Sports (football, soccer,
baseball, etc.)
Theme parks
Travel



ARTS & HUMANITIES

Architecture
Dance
Fine arts (painting,
sculpture, etc.)
Landscape architecture
Literature
Movies
Music
Performing arts
Photography
Television
Theater
Video

FIG. 6



FINANCE & BUSINESS

- Banks & financial institutions
- Business information
- Companies
- Consumers
- Employment
- Finance
- Investments
- Marketing
- Real estate
- Trade
- Transportation
- World currencies



REFERENCE

- Almanacs
- Associations
- Conferences
- Dictionaries
- Encyclopedias
- Journals
- Libraries
- Museums
- Organizations
- Phone numbers & addresses
- Proceedings
- Quotations

X

EXPLICIT

- Pornography
- Sexually explicit material

?

OTHER

FIG. 7

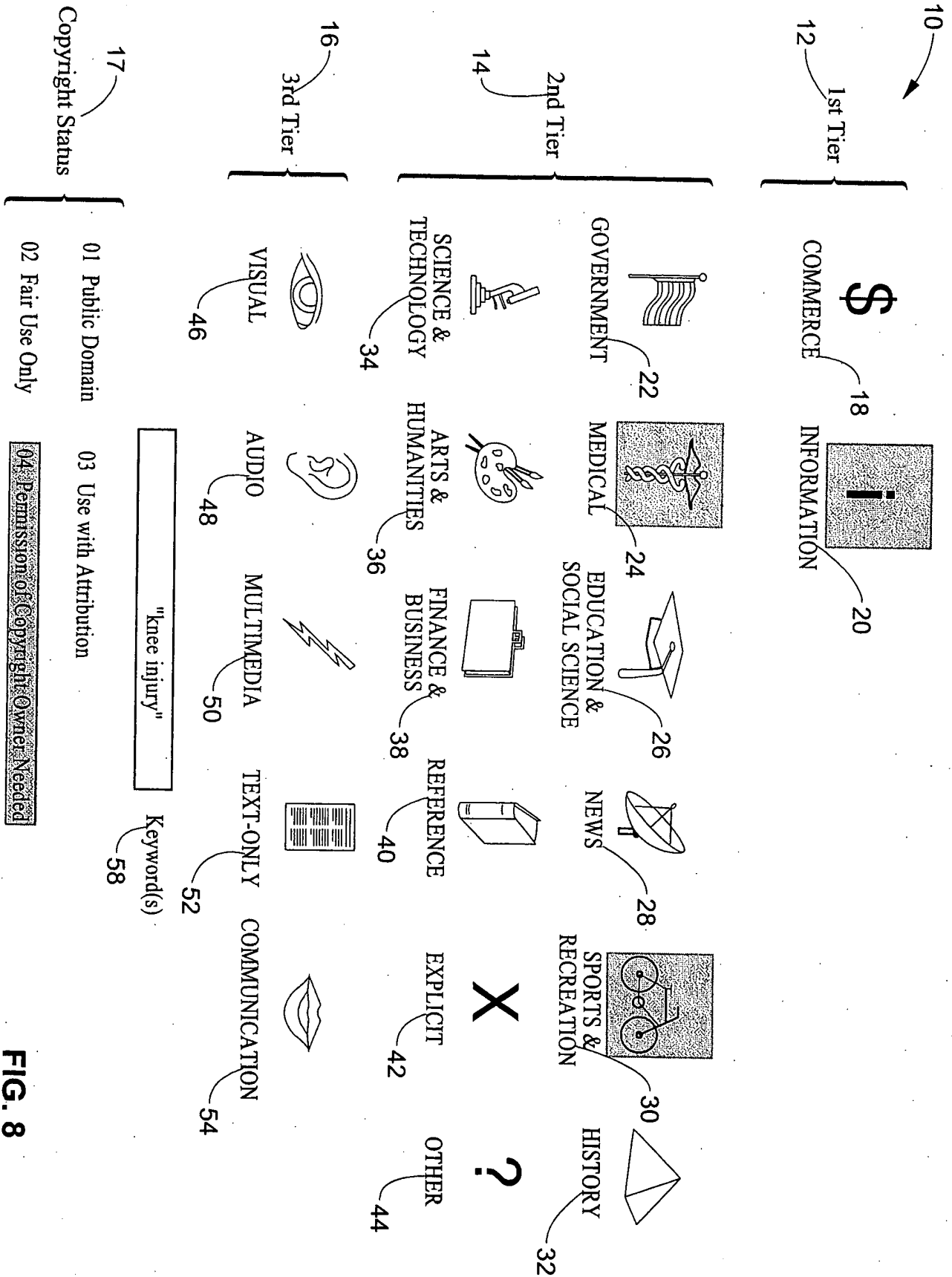


FIG. 8

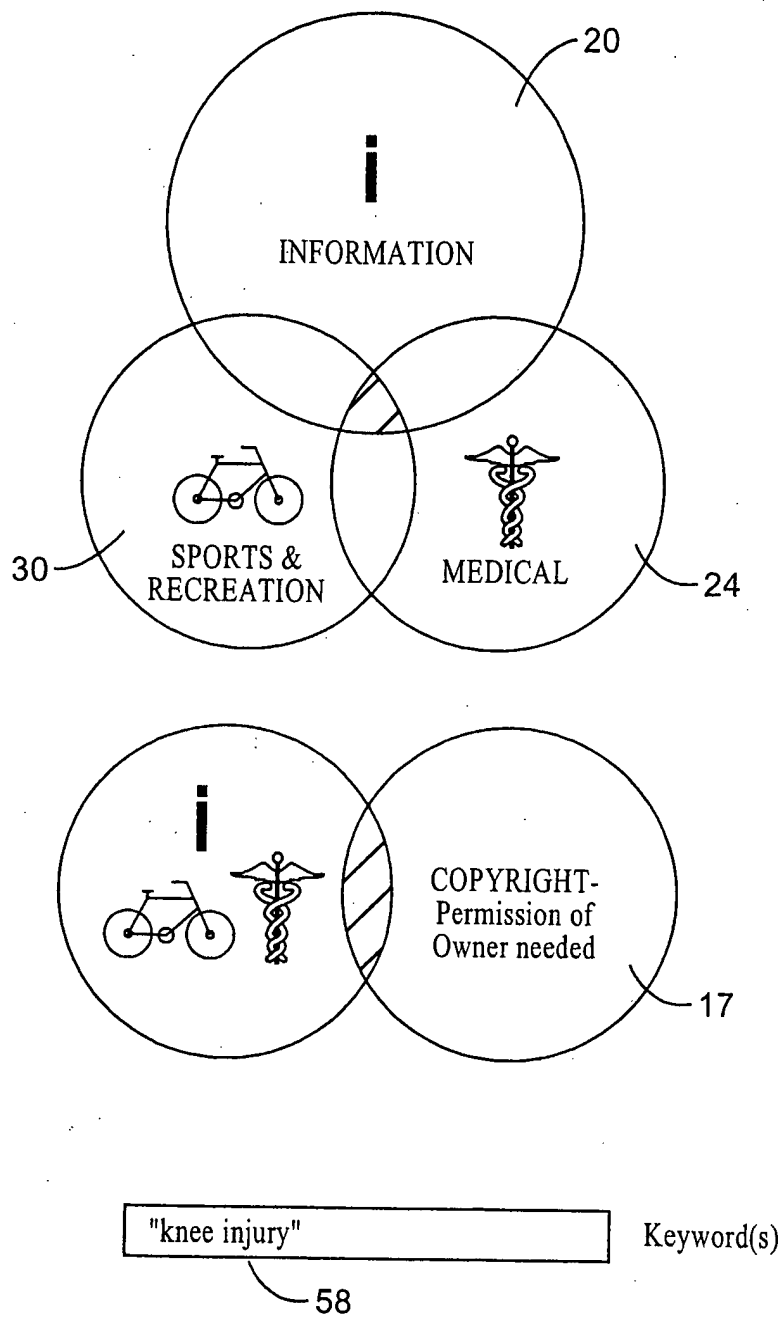


FIG. 9

101082596

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number

~~4119/1001~~

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	50	
INDEPENDENT CLAIMS	50	9
DEPENDENT CLAIMS	11	42
MULTIPLE DEPENDENT CLAIM PRESENT	<input type="checkbox"/>	

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=	334	OR	X\$18=	
X42=	30	OR	X84=	
+140=		OR	+280=	
TOTAL		OR	TOTAL	

If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
Total	32	50	
Independent	2	11	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>		

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

4/10/06

	(Column 1)	(Column 2)	(Column 3)
Total	31	50	
Independent	3	11	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>		

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
Total			
Independent			
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>		

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 - ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 - *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
- The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/082,596	02/22/2002	Lee H. Grant	9119/8661	5734
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25226 7590 06/29/2006
MORRISON & FOERSTER LLP
755 PAGE MILL RD
PALO ALTO, CA 94304-1018

EXAMINER

ROBINSON, GRETA LEE

ART UNIT	PAPER NUMBER
----------	--------------

2168

DATE MAILED: 06/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Notice of Non-Compliant
Amendment (37 CFR 1.121)**

Application No. 10/082,596	Applicant(s) GRANT ET AL.	
Examiner Greta L. Robinson	Art Unit 2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

The amendment document filed on 10 April 2006 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- 1. Amendments to the specification:
 - A. Amended paragraph(s) do not include markings.
 - B. New paragraph(s) should not be underlined.
 - C. Other _____.
- 2. Abstract:
 - A. Not presented on a separate sheet. 37 CFR 1.72.
 - B. Other _____.
- 3. Amendments to the drawings:
 - A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).
 - B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
 - C. Other See Continuation Sheet.
- 4. Amendments to the claims:
 - A. A complete listing of all of the claims is not present.
 - B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
 - D. The claims of this amendment paper have not been presented in ascending numerical order.
 - E. Other: _____.
- 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4):

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

1. Applicant is given **no new time period** if the non-compliant amendment is an after-final amendment or an amendment filed after allowance. If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted.
2. Applicant is given **one month**, or thirty (30) days, whichever is longer, from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a *Quayle* action. If any of above boxes 1. to 4. are checked, the correction required is only the **corrected section** of the non-compliant amendment in compliance with 37 CFR 1.121.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or

Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Legal Instruments Examiner (LIE), if applicable

Telephone No.

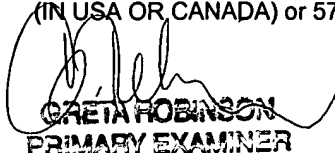
Continuation of 3(c) Other: The drawing submitted are not corrected drawings. Note drawing objection cited in office action mailed January 9, 2006 pages 2-4. The cited Figures contain partial views and are not in compliance with 37 CFR 1.184(h). Also the orientation of the drawings submitted appear to be different than the original drawings, Applicant is reminded that any changes to the drawings should be noted in the remarks section of the response.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta L. Robinson whose telephone number is (571)272-4118. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim T. Vo can be reached on (571)272-3642.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



GRETA ROBINSON
PRIMARY EXAMINER

Greta Robinson
Primary Examiner
June 23, 2006

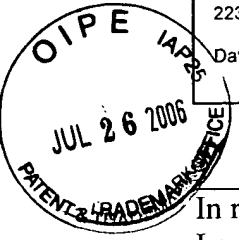
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Dated: July 26, 2006

Signature: _____

(Megha Aggarwal)

Docket No.: 588582000120
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Lee H. GRANT et al.

Application No.: 10/082,596

Confirmation No.: 5734

Filed: February 22, 2002

Art Unit: 2168

For: METHOD OF CODING, CATEGORIZING,
AND RETRIEVING NETWORK PAGES AND
SITES

Examiner: G. Robinson

**AMENDMENT IN RESPONSE TO
NOTICE OF NON-COMPLIANT AMENDMENT (37 CFR 1.121)**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This is in response to the non-compliant amendment on dated June 29, 2006 (Paper No./Mail Date 20060623), for which a response was due on July 29, 2006. Accordingly, this response, filed on July 26, 2006, is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

Amendments to the Drawings begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

An **Appendix** including amended drawing figures is attached following page 4 of this paper.

AMENDMENTS TO THE DRAWINGS

The attached sheet(s) of drawings includes changes to Figures 1-3 and 5-9.

Attachment: 8 Replacement sheets – Figures 1-3 and 5-9.

REMARKS

Drawings

The Drawings stand objected to for various informalities detailed on pages 2-4 of the Office Action dated January 9, 2006 and further in the Notice of Non-Compliant Amendment of June 29, 2006.

Applicants have amended Figures 1-3 and 5-9 to make appropriate corrections and request the objections be withdrawn.

CONCLUSION

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue. If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 588582000120. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 26, 2006

Respectfully submitted,

By 

Thomas Chan

Registration No.: 51,543

MORRISON & FOERSTER LLP

755 Page Mill Road

Palo Alto, California 94304-1018

(650) 813-5616

Attachments



10

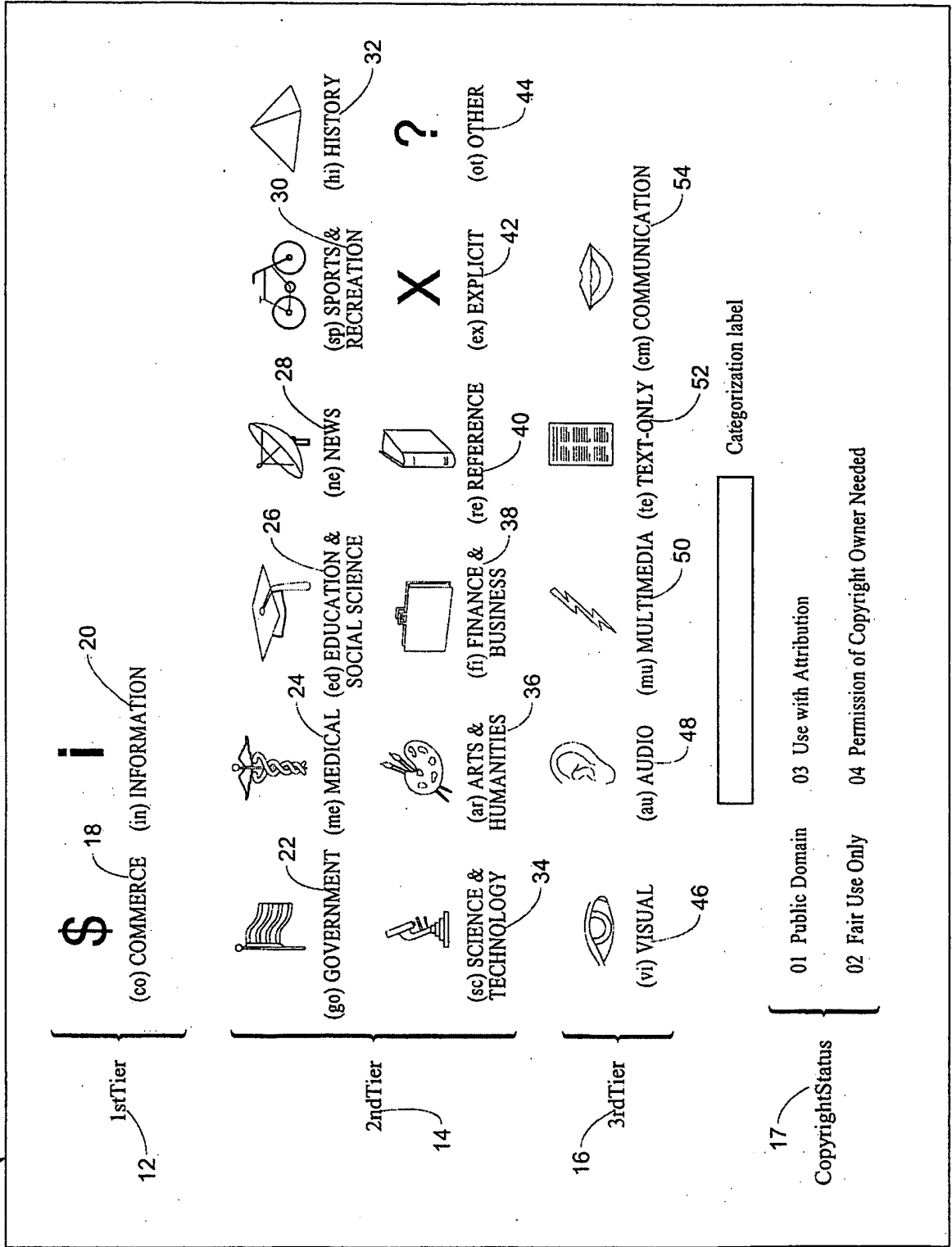


FIG. 1

10

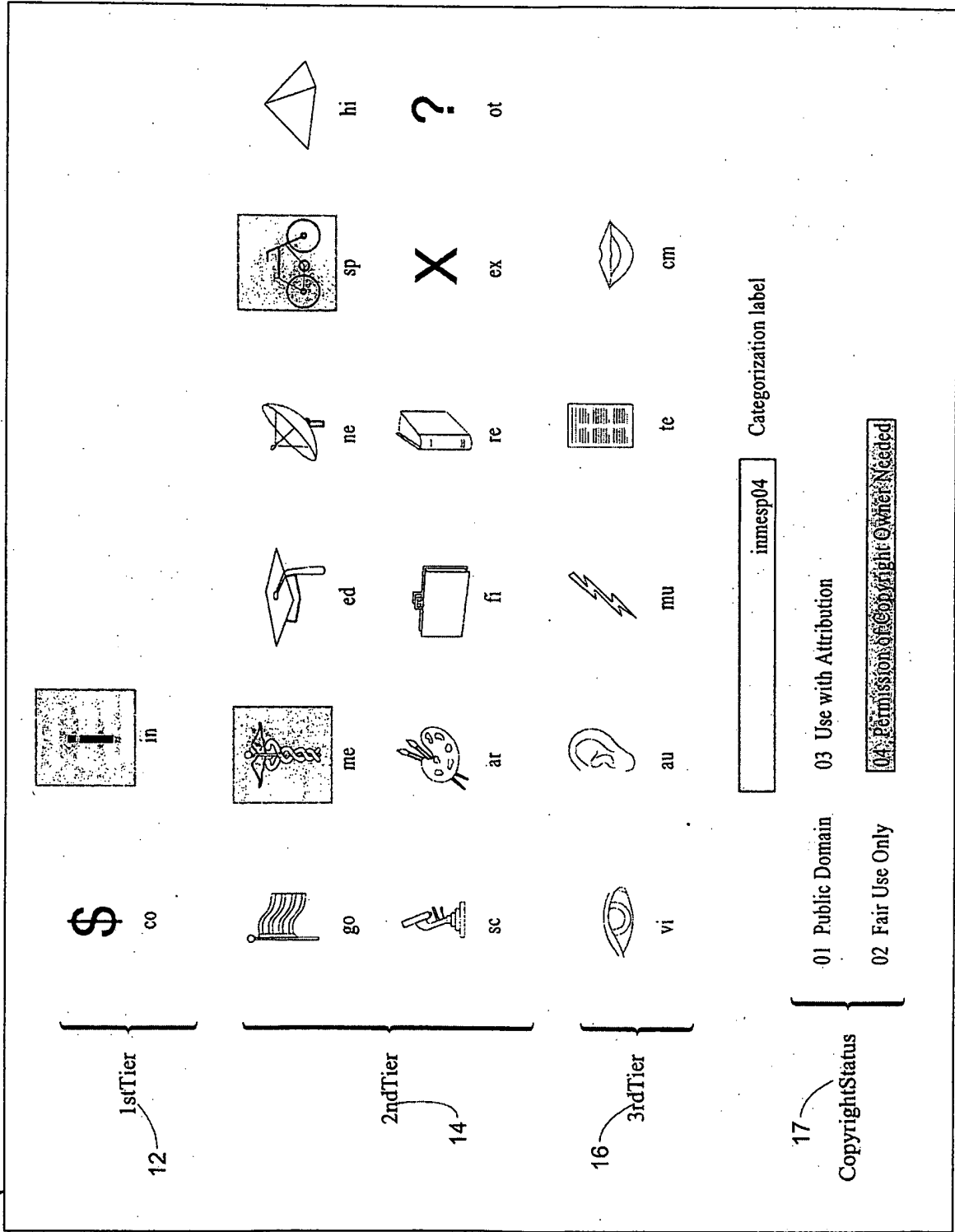


FIG. 2

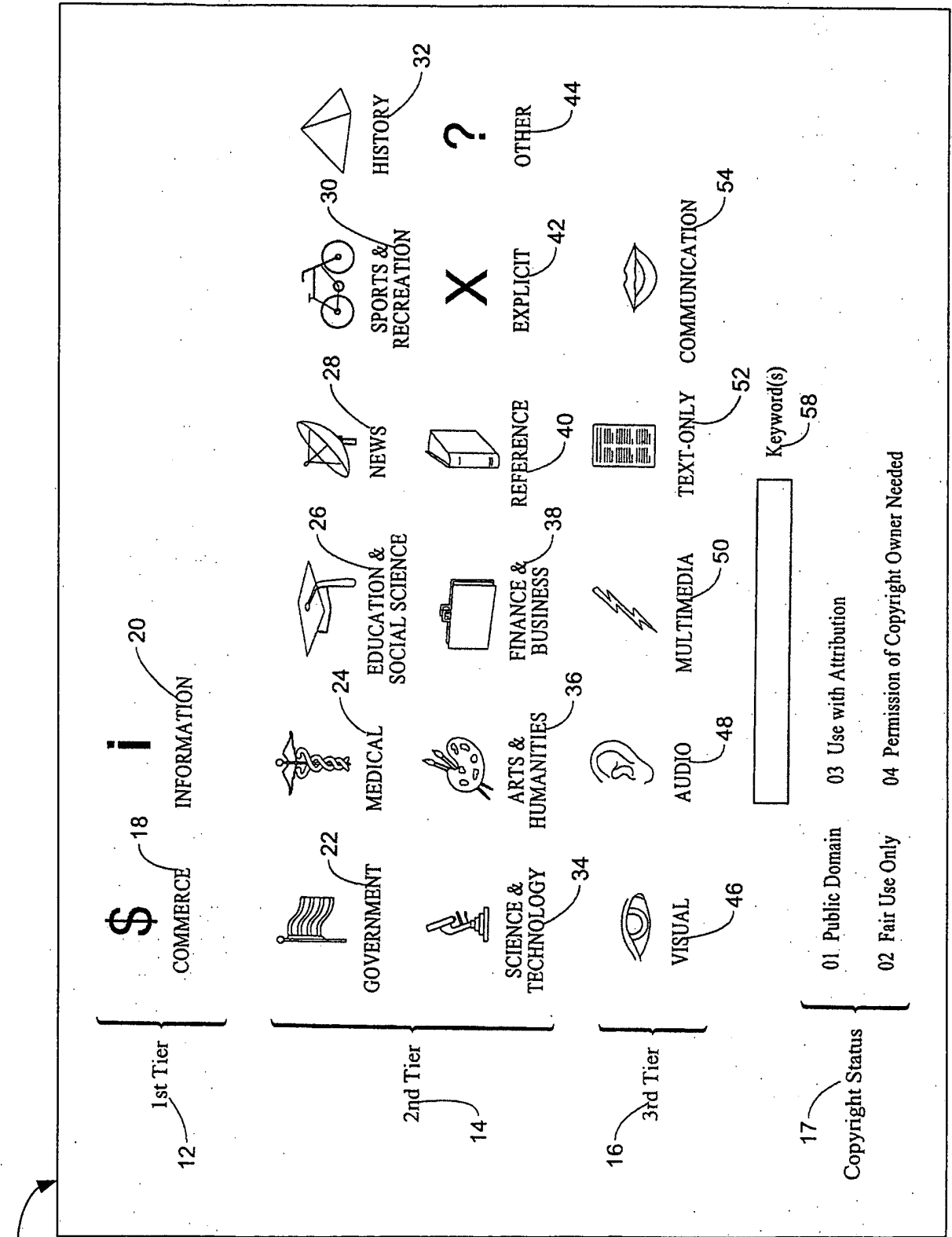


FIG. 3

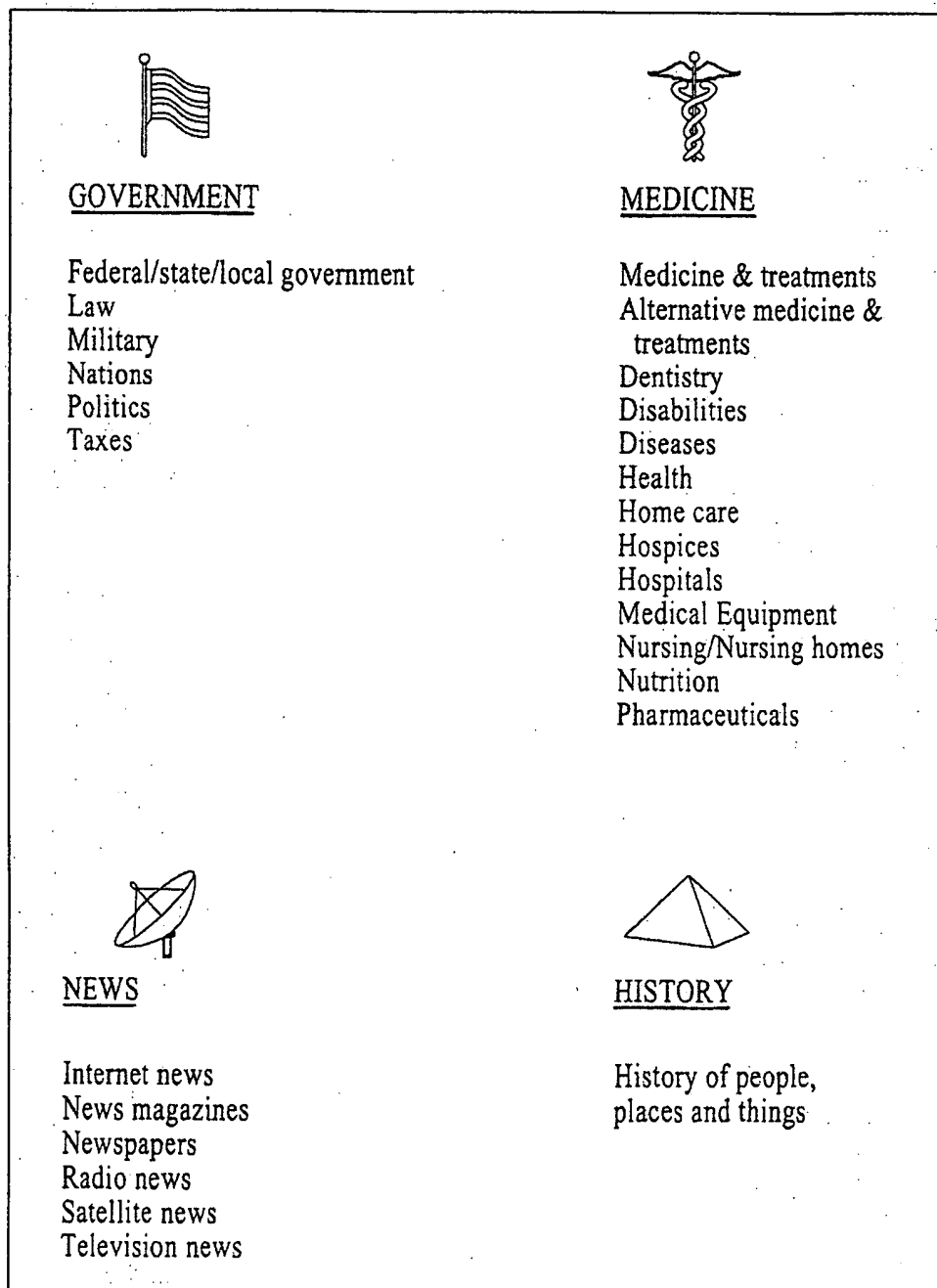


FIG. 5

Inventor: Lee H. GRANT et al.

Title: METHOD OF CODING, CATEGORIZING, AND
RETRIEVING NETWORK PAGES AND SITES
REPLACEMENT SHEETEDUCATION & SOCIAL SCIENCES

Adult education
 Anthropology
 Archeology
 Colleges & universities
 Dissertations
 Economics
 Folklore
 Genealogy
 History
 Languages
 Philosophy
 Political Science
 Psychology
 Public & private schools
 Religion
 Research
 Social issues
 Statistics

SCIENCE & TECHNOLOGY

Aeronautics & space
 Agriculture
 Astronomy
 Biology
 Botany
 Chemistry
 Computers & Internet
 Ecology
 Electronics
 Engineering
 Geography (maps and atlases)
 Mathematics
 Oceanography
 Paleontology & paleozoology
 Physics
 Technical processes
 Technological advances
 Weather
 Zoology

SPORTS & RECREATION

Camping
 Crafts
 Food & cooking
 Games & toys
 Gardening
 Hobbies
 Home improvements
 Pets
 Sports (football, soccer,
 baseball, etc.)
 Theme parks
 Travel

ARTS & HUMANITIES

Architecture
 Dance
 Fine arts (painting,
 sculpture, etc.)
 Landscape architecture
 Literature
 Movies
 Music
 Performing arts
 Photography
 Television
 Theater
 Video

FIG. 6



FINANCE & BUSINESS

Banks & financial institutions
Business information
Companies
Consumers
Employment
Finance
Investments
Marketing
Real estate
Trade
Transportation
World currencies



REFERENCE

Almanacs
Associations
Conferences
Dictionaries
Encyclopedias
Journals
Libraries
Museums
Organizations
Phone numbers & addresses
Proceedings
Quotations

X

EXPLICIT

Pornography
Sexually explicit material

?

OTHER

FIG. 7

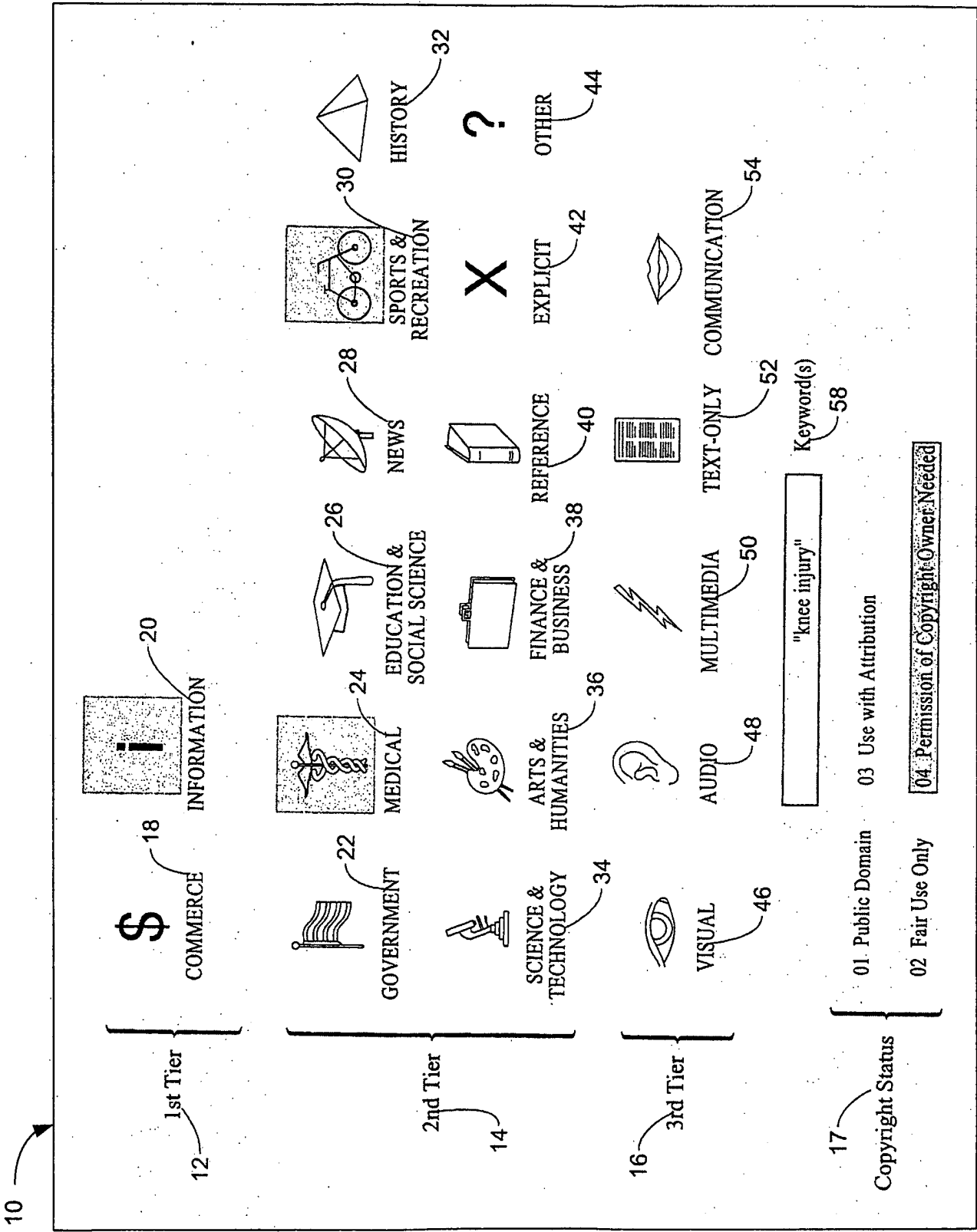


FIG. 8

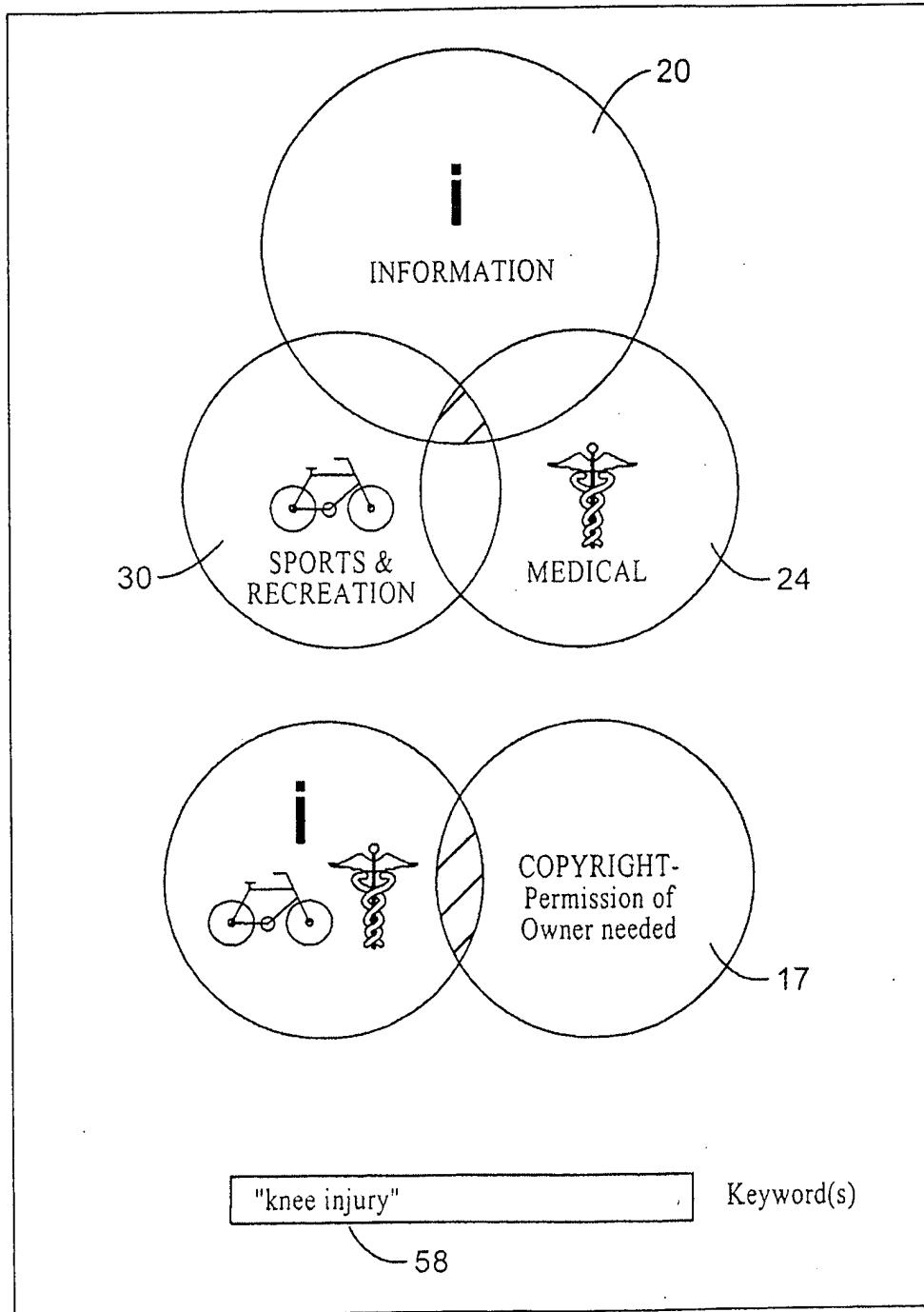


FIG. 9



07-28-06

JAN

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>		Application Number	10/082,596
		Filing Date	February 22, 2002
		First Named Inventor	Lee H. GRANT
		Art Unit	2168
		Examiner Name	G. Robinson
Total Number of Pages in This Submission	13	Attorney Docket Number	588582000120

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Drawing(s)(Replacement Figs. 1-3 and 5-9) - 8 Sheets	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply - 4 pages	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
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Signature			
Printed name	Thomas Chan		
Date	July 26, 2006	Reg. No.	51,543

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Dated: July 26, 2006	Signature: (Megha Aggarwal)

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18389	(707/10 707/100 707/102 707/9 707/104.1).ccls.	US-PGPUB; USPAT	OR	OFF	2006/10/03 17:59
L2	1448	(categoriz\$5 near5 (page network (network adj1 page\$1)))	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:31
L3	5966	(categor\$7 near5 (page network (network adj1 page\$1)))	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:01
L4	8484	((assign\$3 past\$4) with (page network (network adj1 page\$1)))	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:02
L5	2713	((assign\$3 past\$4) with (label heading))	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:03
L6	372	network adj1 page	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:03
L7	12	categorization adj1 label\$1	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:07
L8	407	copyright with status	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:03
L9	23280	controlling near4 (access usage)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:04
L10	9	l1 and (l2 l3) and (l4 l5 l6 l7) and (l8 l9)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:06
L11	0	l10 and @ad<"19990504"	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:05
L12	334	l1 and l4	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:08
L13	28	l12 and (l8 l9)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:08
L14	5	l13 and @ad<"19990504"	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:10
L15	108	l2 and (l4 l5)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:10
L16	1	l15 and l8	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:10
L17	37	l15 and l9	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:11
L18	0	l17 and l6	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:11
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L21	1	l7 same l4	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:12

EAST Search History

L22	1	l6 same l8	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:12
L23	1	l6 and l8	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:12
L24	3945	categor\$6 with page	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:13
L25	525	l24 and l1	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:14
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L28	60030	"345"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:16
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L30	896	715/700.ccls.	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:18
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L32	1	l24 and l8 and l1	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:20
L33	29	assigning with page with categor\$6	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:21
L34	3	l33 and @ad<"19990504"	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:26
L35	329	(user-defined near3 categor\$6)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:26
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L38	0	l1 and l2 and l8	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:31
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L41	4	l40 and (l8 l9 l33)	US-PGPUB; USPAT	OR	OFF	2006/10/03 18:33



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Relevance scale

1 [Performance Workload Char. and Adaptation: Improving web performance by client](#)

[characterization driven server adaptation](#)

Balachander Krishnamurthy, Craig E. Wills

May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: [pdf\(241.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We categorize the set of clients communicating with a server on the Web based on information that can be determined by the server. The Web server uses the information to direct tailored actions. Users with poor connectivity may choose not to stay at a Web site if it takes a long time to receive a page, even if the Web server at the site is not the bottleneck. Retaining such clients may be of interest to a Web site. Better connected clients can receive enhanced representations of Web pages, such ...

Keywords: client characterization, client connectivity, server adaptation

2 [Intelligent web information access: An intelligent search agent system for semantic information retrieval on the internet](#)

Carmine Cesarano, Antonio d'Acierno, Antonio Picariello

November 2003 **Proceedings of the 5th ACM international workshop on Web information and data management**

Publisher: ACM Press

Full text available: [pdf\(332.66 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)





In this paper we describe a prototype system for information retrieval on the Internet. Our idea is that the Web has to be searched both *semantically* and *syntactically*. In order to automatically categorize the web pages *on the fly* we propose a novel approach based on ontology and semantic networks and we describe a prototype system based on the Intelligent Agent Paradigm. Preliminary experiments are shown and discussed while describing open problems and on-going research.

Keywords: information retrieval, ontology, semantic network, web agents

Results 1 - 2 of 2

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D. During runtime, the processors access a unit of data from the page, and the system is allowed to migrate the page between the processors. The problem is to compute (on-line) a schedule of page movements to minimize the total communication cost. The Dynamic Page Migration problem is an extension to the page migration ...

Keywords: data management, dynamic networks, mobile networks, online algorithms, page migration

4 Reducing network latency using subpages in a global memory environment

 Hervé A. Jamrozik, Michael J. Feeley, Geoffrey M. Voelker, James Evans, Anna R. Karlin, Henry M. Levy, Mary K. Vernon

September 1996 **ACM SIGPLAN Notices , ACM SIGOPS Operating Systems Review , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 31 , 30 Issue 9 , 5


Publisher: ACM Press

Full text available:  pdf(1.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New high-speed networks greatly encourage the use of network memory as a cache for virtual memory and file pages, thereby reducing the need for disk access. Because pages are the fundamental transfer and access units in remote memory systems, page size is a key performance factor. Recently, page sizes of modern processors have been increasing in order to provide more TLB coverage and amortize disk access costs. Unfortunately, for high-speed networks, *small* transfers are needed to provide ...

5 Page table management in local/remote architectures

 M. A. Holliday

June 1988 **Proceedings of the 2nd international conference on Supercomputing**


Publisher: ACM Press

Full text available:  pdf(783.30 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We conjecture that a paged memory with page migration by the operating system may be an effective system environment for a local/remote shared memory architecture executing a single parallel computation. Implementing a paged memory in such an architecture raises several issues with respect to page table management. These issues include page table placement, page table replication level, and page table storage overhead. We discuss these issues, propose alternative solutions, and present an e ...

6 Caching in the Sprite network file system

 M. Nelson, B. Welch, J. Ousterhout

November 1987 **ACM SIGOPS Operating Systems Review , Proceedings of the eleventh ACM Symposium on Operating systems principles SOSP '87**, Volume 21 Issue 5

Publisher: ACM Press

Full text available:  pdf(212.94 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a simple distributed mechanism for caching files among a networked collection of workstations. We have implemented it as part of Sprite, a new operating system being implemented at the University of California at Berkeley. A preliminary version of Sprite is currently running on Sun-2 and Sun-3 workstations, which have about 1-2 MIPS processing power and 4-16 Mbytes of main memory. The system is targeted for workstations like these and newer models likely to become avail ...

7 [An improved network clustering method for I/O-efficient query processing](#) 




Sung-Ho Woo, Sung-Bong Yang

November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems**

Publisher: ACM Press

Full text available:  [pdf\(651.16 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Efficient network query processing is extremely important in Geographical Information Systems (GIS) and Intelligent Transportation Systems (ITS) which include various applications of transportation, utility and communication networks, etc. In order to reduce the I/O cost in network query processing a given network should be stored with high disk-space utilization and a low edge-cut ratio. To do so the nodes in the network should be clustered in such a way that each cluster fits in a disk page ...

8 [Campus computing newsletter editors & the network: a new role for the 1990s](#) 



Wendy Rickard Bollentin

August 1990 **Proceedings of the 18th annual ACM SIGUCCS conference on User services**

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Campus computing newsletter editors have traditionally been responsible for disseminating relevant technical and general information to a specific user community; most often members of the computing department. As information technology and computer networks become more readily available to a wider range of individuals — and classrooms — editors must now also address a more diverse user community. How do campus computing publications specialists keep up with these and ...


9 [Caching I: Fighting against two adversaries: page migration in dynamic networks](#) 



Marcin Bienkowski, Miroslaw Korzeniowski, Friedhelm Meyer auf der Heide


June 2004 **Proceedings of the sixteenth annual ACM symposium on Parallelism in algorithms and architectures**

Publisher: ACM Press

Full text available:  [pdf\(236.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Page migration is one of the fundamental subproblems in the framework of data management in networks. It occurs in a distributed network of processors sharing one indivisible memory page of size D , which is stored in one of the processors. During runtime, processors access unit size data items from the page, and the system is allowed to move the page from one processor to another in order to minimize the total communication cost. This problem was considered in the online setting numerous t ...

Keywords: data management, online algorithms, page migration

10 [Shared memory parallelism: Hardware profile-guided automatic page placement for ccNUMA systems](#) 



Jaydeep Marathe, Frank Mueller

March 2006 **Proceedings of the eleventh ACM SIGPLAN symposium on Principles and practice of parallel programming PPOPP '06**


Publisher: ACM Press

Full text available:  [pdf\(167.64 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Cache coherent non-uniform memory architectures (ccNUMA) constitute an important class of high-performance computing plat-forms. Contemporary ccNUMA systems, such as the SGI Altix, have a large number of nodes, where each node consists of a small number

of processors and a fixed amount of physical memory. All processors in the system access the same global virtual address space but the physical memory is distributed across nodes, and coherence is maintained using hardware mechanisms. Accesses to ...

Keywords: NUMA, hardware performance monitoring, page placement, profile-guided optimization

11 Windows scheduling as a paradigm for pushing information in wireless networks 



Amotz Bar-Noy
September 2003

Proceedings of the 2003 joint workshop on Foundations of mobile computing

Publisher: ACM Press

Full text available:  [pdf\(100.69 KB\)](#) Additional Information: [full citation](#), [abstract](#)


Given are n positive integers w_1, w_2, \dots, w_n called windows. The windows are associated with n equal length information pages. In the windows scheduling problem, the goal is to schedule all the pages on minimum number of identical broadcasting channels such that the gap between two consecutive appearances of page i on any of the channels is at most w_i time slots where a time slot is the broadcasting time of one page. Our main application for windows scheduling is ...

12 Reliability for NSWAP 

America Holloway, Jennifer Barry, Heather Jones

May 2005 **Journal of Computing Sciences in Colleges**, Volume 20 Issue 5

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [pdf\(120.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We present reliability schemes for network swapping enabled Linux clusters. As processor speeds have continued to increase, disk speeds have failed to keep pace, resulting in application performance being restricted by slow disk access. This problem can be alleviated in cluster systems by using idle RAM of other nodes as swap space, a strategy known as network swapping. Nswap, a network swapping system, allows each node in the cluster to either swap-out pages or swap-in pages, according to its c ...

13 Evolution of Xerox's network systems architecture 




Lawrence Garlick

April 1983 **ACM SIGCOMM Computer Communication Review , Proceedings of the symposium on Communications Architectures & Protocols COMM '83**, Volume 13 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(106.18 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Research and development at Xerox's Palo Alto Research Center (PARC) and Office Systems Division (OSD) have led to many advances in an evolving network architecture. As early experimenters in local area networking, researchers at PARC built a prototype of what is becoming the basis for an international standard. Their early work with networked personal workstations, distributed networked services, and local network interconnection provided valuable insight into requirements for higher level p ...

14 Tradeoffs between false sharing and aggregation in software distributed shared memory 



Cristiana Amza, Alan Cox, Karthick Rajamani, Willy Zwaenepoel

June 1997 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN symposium on Principles and practice of parallel programming PPOPP '97**, Volume 32 Issue 7

Publisher: ACM Press

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Software Distributed Shared Memory (DSM) systems based on virtual memory techniques traditionally use the hardware page as the consistency unit. The large size of the hardware page is considered to be a performance bottleneck because of the implied false sharing overheads. Instead, we show that in the presence of a relaxed consistency model and a multiple writer protocol, a large consistency unit is generally not detrimental to performance. We study the tradeoffs between false sharing and aggreg ...

15 [Managing server load in global memory systems](#)

 Geoffrey M. Voelker, Hervé A. Jamrozik, Mary K. Vernon, Henry M. Levy, Edward D. Lazowska

June 1997 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1997 ACM SIGMETRICS international conference on Measurement and modeling of computer systems SIGMETRICS '97**, Volume 25 Issue 1

Publisher: ACM Press

Full text available:  pdf(2.26 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New high-speed switched networks have reduced the latency of network page transfers significantly below that of local disk. This trend has led to the development of systems that use network-wide memory, or *global* memory, as a cache for virtual memory pages or file blocks. A crucial issue in the implementation of these global memory systems is the selection of the target nodes to receive replaced pages. Current systems use various forms of an approximate global LRU algorithm for making the ...

16 [Proceedings of 3rd ACM SIGCOMM workshop on Network and system support for games](#)


 Wu-chang Feng
August 2004 proceeding

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#)

It is a great pleasure to welcome you all to the *ACM SIGCOMM 2004 Workshops!* We are pleased to present an outstanding program consisting of four workshops: (1) Future Directions in Network Architecture (FDNA); (2) Network and System Support for Games (NetGames); (3) Practice and Theory of Incentives in Networked Systems (PINS); and (4) Network Troubleshooting: Research, Theory, and Operations Practice Meet Malfunctioning Reality (NetTs). Workshops were first introduced as a part of the ACM ...

17 [Proceedings of the ACM SIGCOMM workshop on Future directions in network architecture](#)

 Kevin Fall, S. Keshav
August 2004 proceeding

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#)

It is a great pleasure to welcome you all to the *ACM SIGCOMM 2004 Workshops!* We are pleased to present an outstanding program consisting of four workshops: (1) Future Directions in Network Architecture (FDNA); (2) Network and System Support for Games (NetGames); (3) Practice and Theory of Incentives in Networked Systems (PINS); and (4) Network Troubleshooting: Research, Theory, and Operations Practice Meet Malfunctioning Reality (NetTs). Workshops were first introduced as a part of the ACM ...


18 [Proceedings of the ACM SIGCOMM workshop on Network troubleshooting: research, theory and operations practice meet malfunctioning reality](#)


 Jon C.R. Bennett, Mark Allman
September 2004 proceeding

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#)

It is a great pleasure to welcome you all to the *ACM SIGCOMM 2004 Workshops*! We are pleased to present an outstanding program consisting of four workshops: (1) Future Directions in Network Architecture (FDNA); (2) Network and System Support for Games (NetGames); (3) Practice and Theory of Incentives in Networked Systems (PINS); and (4) Network Troubleshooting: Research, Theory, and Operations Practice Meet Malfunctioning Reality (NetTs). Workshops were first introduced as a part of the ACM ...

19 [Proceedings of the ACM SIGCOMM workshop on Practice and theory of incentives in networked systems](#) 

 Dina Katabi, Rahul Sami
September 2004 proceeding

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#)

It is a great pleasure to welcome you all to the *ACM SIGCOMM 2004 Workshops*! We are pleased to present an outstanding program consisting of four workshops: (1) Future Directions in Network Architecture (FDNA); (2) Network and System Support for Games (NetGames); (3) Practice and Theory of Incentives in Networked Systems (PINS); and (4) Network Troubleshooting: Research, Theory, and Operations Practice Meet Malfunctioning Reality (NetTs). Workshops were first introduced as a part of the ACM ...

20 [Link mining: a survey](#) 

 Lise Getoor, Christopher P. Diehl
December 2005 **ACM SIGKDD Explorations Newsletter**, Volume 7 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(209.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many datasets of interest today are best described as a linked collection of interrelated objects. These may represent homogeneous networks, in which there is a single-object type and link type, or richer, heterogeneous networks, in which there may be multiple object and link types (and possibly other semantic information). Examples of homogeneous networks include single mode social networks, such as people connected by friendship links, or the WWW, a collection of linked web pages. Examples of ...

Results 1 - 20 of 186

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

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NOTICE OF ALLOWANCE AND FEE(S) DUE

25226 7590 10/06/2006

MORRISON & FOERSTER LLP
755 PAGE MILL RD
PALO ALTO, CA 94304-1018

EXAMINER

ROBINSON, GRETA LEE

ART UNIT PAPER NUMBER

2168

DATE MAILED: 10/06/2006

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

10/082,596 02/22/2002 Lee H. Grant 9119/8661 5734

TITLE OF INVENTION: METHOD OF CODING, CATEGORIZING, AND RETRIEVING NETWORK PAGES AND SITES

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional YES \$700 \$300 \$0 \$1000 01/08/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

25226 7590 10/06/2006

MORRISON & FOERSTER LLP
 755 PAGE MILL RD
 PALO ALTO, CA 94304-1018

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,596	02/22/2002	Lee H. Grant	9119/8661	5734

TITLE OF INVENTION: METHOD OF CODING, CATEGORIZING, AND RETRIEVING NETWORK PAGES AND SITES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	\$0	\$1000	01/08/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
ROBINSON, GRETA LEE	2168	707-100000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2 _____ 3
---	--

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted: <input type="checkbox"/> Issue Fee <input type="checkbox"/> Publication Fee (No small entity discount permitted) <input type="checkbox"/> Advance Order - # of Copies _____	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) <input type="checkbox"/> A check is enclosed. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).
--	---

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Table with columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Rows: 10/082,596 02/22/2002 Lee H. Grant 9119/8661 5734
25226 7590 10/06/2006
MORRISON & FOERSTER LLP
755 PAGE MILL RD
PALO ALTO, CA 94304-1018
EXAMINER: ROBINSON, GRETA LEE
ART UNIT: 2168 PAPER NUMBER
DATE MAILED: 10/06/2006

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 380 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 380 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/082,596	GRANT ET AL.	
	Examiner	Art Unit	
	Greta L. Robinson	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to July 26, 2006.
2. The allowed claim(s) is/are 1, 3-6, 8-32 and 51 (now renumbered as claims 1-31).
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|--|

DETAILED ACTION

1. Claims 1, 3-6, 8-32 and 51 are pending in the present application.
2. Claims 2, 7, 33-50 have been cancelled; and claims 1, 21, 32 and 51 have been amended.

Drawings

3. The drawings were received on July 26, 2006. These drawings are acceptable.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

5. The application has been amended as follows:

In the specification on **page 1 line 3** after "filed on May 3, 2000,"

insert now abandoned,

6. The following is an examiner's statement of reasons for allowance:

Applicants amendment and remarks filed April 10, 2006 and July 26, 2006 overcomes the drawing objection, rejection cited under 35 USC 112, and 35 USC 103(a) citing Cole et al. US Patent 5,933,827. The prior art of record fails to teach *assigning said network page to one or more of said list of categories, providing a categorization label for the network page using the copyright status of material on the network page; and controlling usage of the network page using the categorization label and the copyright status of the network page* as cited in independent claims 1, 32 and 51.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta L. Robinson whose telephone number is (571)272-4118. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim T. Vo can be reached on (571)272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2168

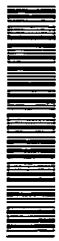
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



GRETA ROBINSON
PRIMARY EXAMINER

Greta Robinson
Primary Examiner
October 4, 2006

Issue Classification



Application/Control No.

10082596

Applicant(s)/Patent under Reexamination

GRANT ET AL.


Examiner

Robinson, Greta L

Art Unit

2168


ORIGINAL		INTERNATIONAL CLASSIFICATION		
CLASS	SUBCLASS	CLAIMED		NON-CLAIMED
707	100	G	0 6 F	17 / 00
CROSS REFERENCE(S)				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)			
707	10			
NONE	<p>(Assistant Examiner) (Date)</p> <p><i>Greta Robinson</i> 10/04/2006 GRETAROBINSON PRIMARY EXAMINER</p>			
<p><i>Greta Robinson</i> Legal Instruments Examiner</p>		<p>10/04/2006 (Date)</p>		<p>31</p>
		<p>O.G. Print Claim(s)</p> <p>1 1</p>		<p>O.G. Print</p> <p>1</p>
		<p>Total Claims Allowed:</p>		<p>31</p>

Search Notes 	Application/Control No. 10082596	Applicant(s)/Patent Under Reexamination GRANT ET AL.
	Examiner Robinson, Greta L	Art Unit 2168

Notes	Date	Examiner
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<p>Searched</p> 	<p>Application/Control No.</p> <p>10082596</p>	<p>Applicant(s)/Patent Under Reexamination</p> <p>GRANT ET AL.</p>
	<p>Examiner</p> <p>Robinson, Greta L</p>	<p>Art Unit</p> <p>2168</p>

Class	SubClass	Date	Examiner
707	10, 100, 102, 9, 104.1	10/04/06	GR
715	700	10/04/06	GR

U.S. Patent and Trademark Office	Part of Paper No.: 20061004
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Interference Searched 	Application/Control No. 10082596	Applicant(s)/Patent Under Reexamination GRANT ET AL.
	Examiner Robinson, Greta L	Art Unit 2168

Class	SubClass	Date	Examiner
707	10, 100, 102, 9, 104.1	10/04/06	GR
715	700	10/04/06	GR

U.S. Patent and Trademark Office	Part of Paper No.: 20061004
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Index of Claims



Application/Control No.

10082596

Applicant(s)/Patent under Reexamination

GRANT ET AL.

Examiner

Robinson, Greta L

Art Unit

2168

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant

CPA

T.D.

R.1.47

CLAIM			DATE							
Final	Original	10/4/2006								
1	1	=								
	2	-								
2	3	=								
3	4	=								
4	5	=								
5	6	=								
	7	-								
6	8	=								
7	9	=								
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24	26	=								
25	27	=								
26	28	=								
27	29	=								
28	30	=								
29	31	=								
30	32	=								
	33	-								

Index of Claims



Application/Control No.

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T.D.

R.1.47

CLAIM		DATE									
Final	Original	10/4/2006									
	34	-									
	35	-									
	36	-									
	37	-									
	38	-									
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	50	-									
31	51	=									



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Bib Data Sheet

CONFIRMATION NO. 5734

SERIAL NUMBER 10/082,596	FILING OR 371(c) DATE 02/22/2002 RULE	CLASS 707	GROUP ART UNIT 2168	ATTORNEY DOCKET NO. 9119/8661
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APPLICANTS
 Lee H. Grant, Davis, CA;
 Susan A. Capizzi, Davis, CA;

**** CONTINUING DATA *******
 This application is a CIP of 09/565,695 05/03/2000 ABN which claims benefit of 60/132,694 05/04/1999
 This application 10/082,596
 claims benefit of 60/271,041 02/23/2001 *cler*
 and claims benefit of 60/311,379 08/09/2001

**** FOREIGN APPLICATIONS ******* *None cler*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED SMALL ENTITY ****
 ** 03/26/2002

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 9	TOTAL CLAIMS 50	INDEPENDENT CLAIMS 11
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance <i>cler</i>				
Verified and Acknowledged <i>cler</i>	Examiner's Signature	Initials		

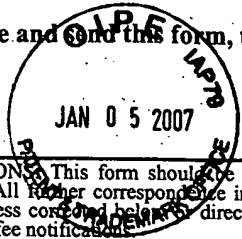
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TITLE
 Method of coding, categorizing, and retrieving network pages and sites

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Lori Sims	(Depositor's name)
	(Signature)
January 5, 2007	(Date)

01/08/2007 WABDEL3 00000051 031952 10082596

01 FC:2501 700.00 DA
 02 FC:1504 300.00 DA
 03 FC:8001 18.00 DA

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/082,596 02/22/2002 Lee H. Grant 9119/8661 5734

TITLE OF INVENTION: METHOD OF CODING, CATEGORIZING, AND RETRIEVING NETWORK PAGES AND SITES 58858 2000120

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional YES \$700 \$300 \$0 \$1000 01/08/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
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ROBINSON, GRETA LEE 2168 707-100000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 - "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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ICONFIND, INC. Davis, California

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- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
 - b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature
 Typed or printed name Thomas C. Chan

Date January 5, 2007
 Registration No. 51,543

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,596	02/20/2007	7181459	9119/8661	5734

25226 7590 01/31/2007
MORRISON & FOERSTER LLP
755 PAGE MILL RD
PALO ALTO, CA 94304-1018

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 380 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Lee H. Grant, Davis, CA;
Susan A. Capizzi, Davis, CA;