

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Google Inc. v. Traffic Information LLC

Doc. 53 Att. 6

LOCATION	LAT/LONG	ROAD	DIRECTION	VELOCITY
201	43° 14' 11" N 87° 12' 11" W	INTERSECTION	0°	35 MPH
202	⋮	LOCAL	27°	20 MPH
203	⋮	BYPASS	EAST	STOPPED
204		RESIDENTIAL	NW	⋮
205		⋮	⋮	⋮
206				
207				
⋮				
⋮				
⋮				

Fig. 12

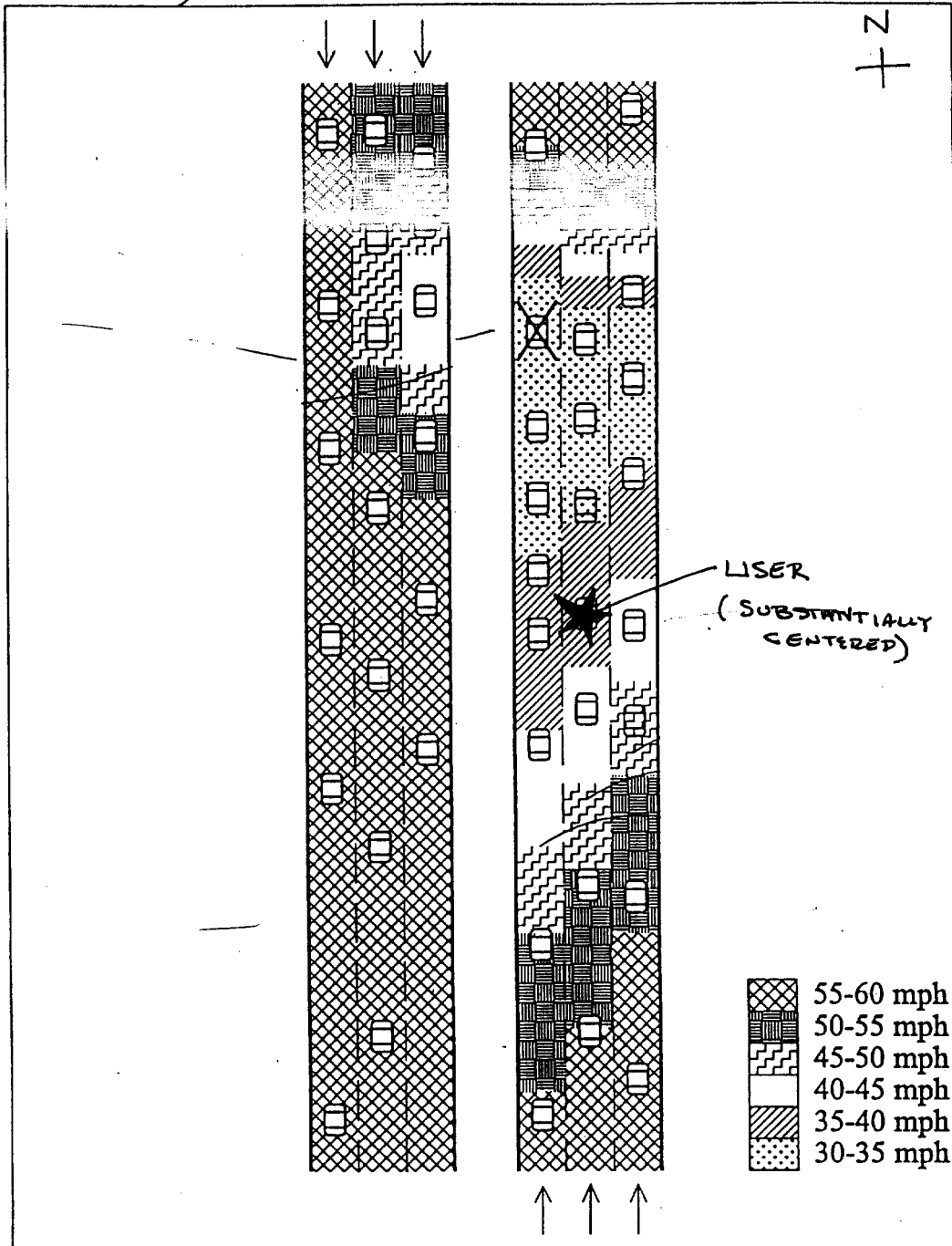


FIG. 13

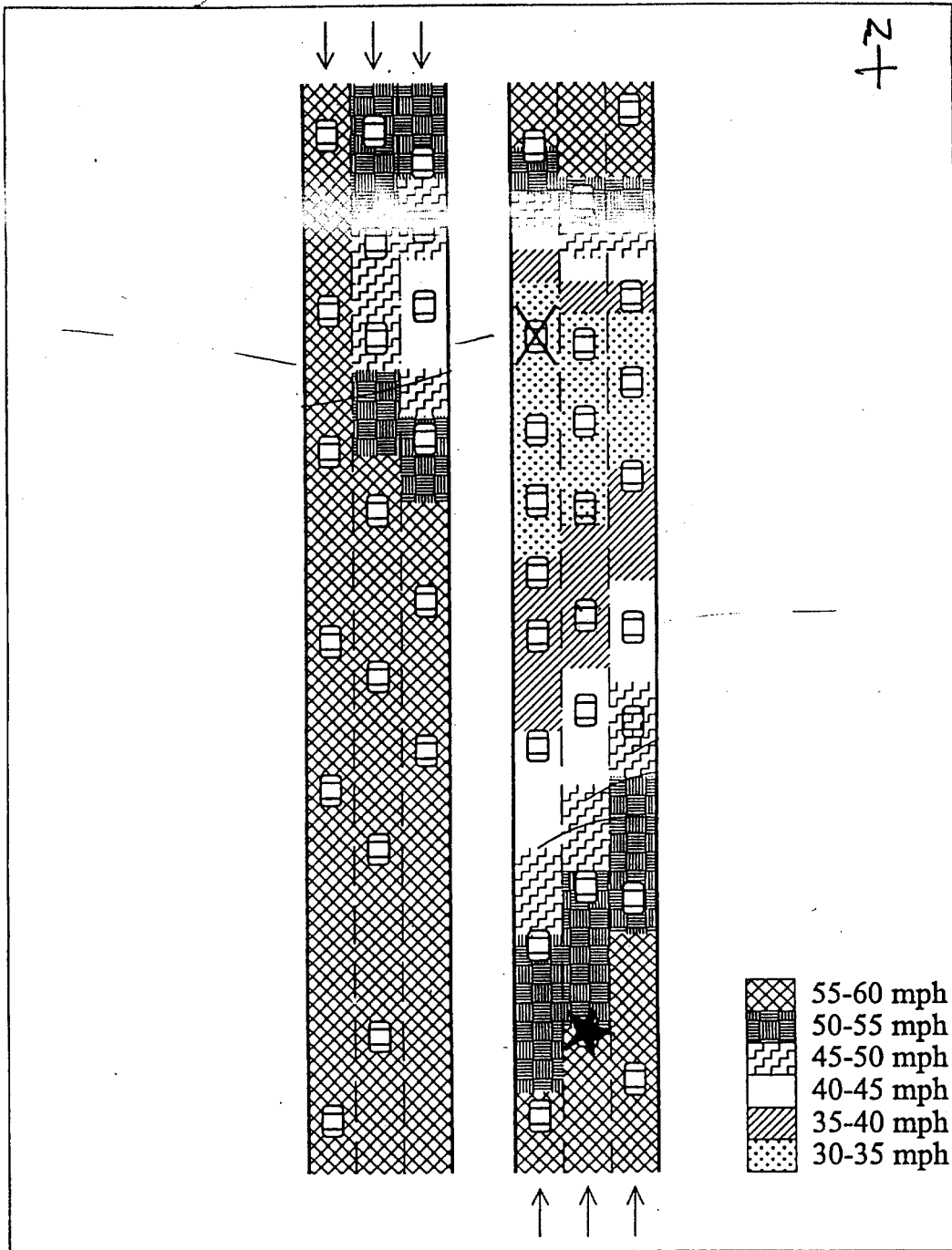
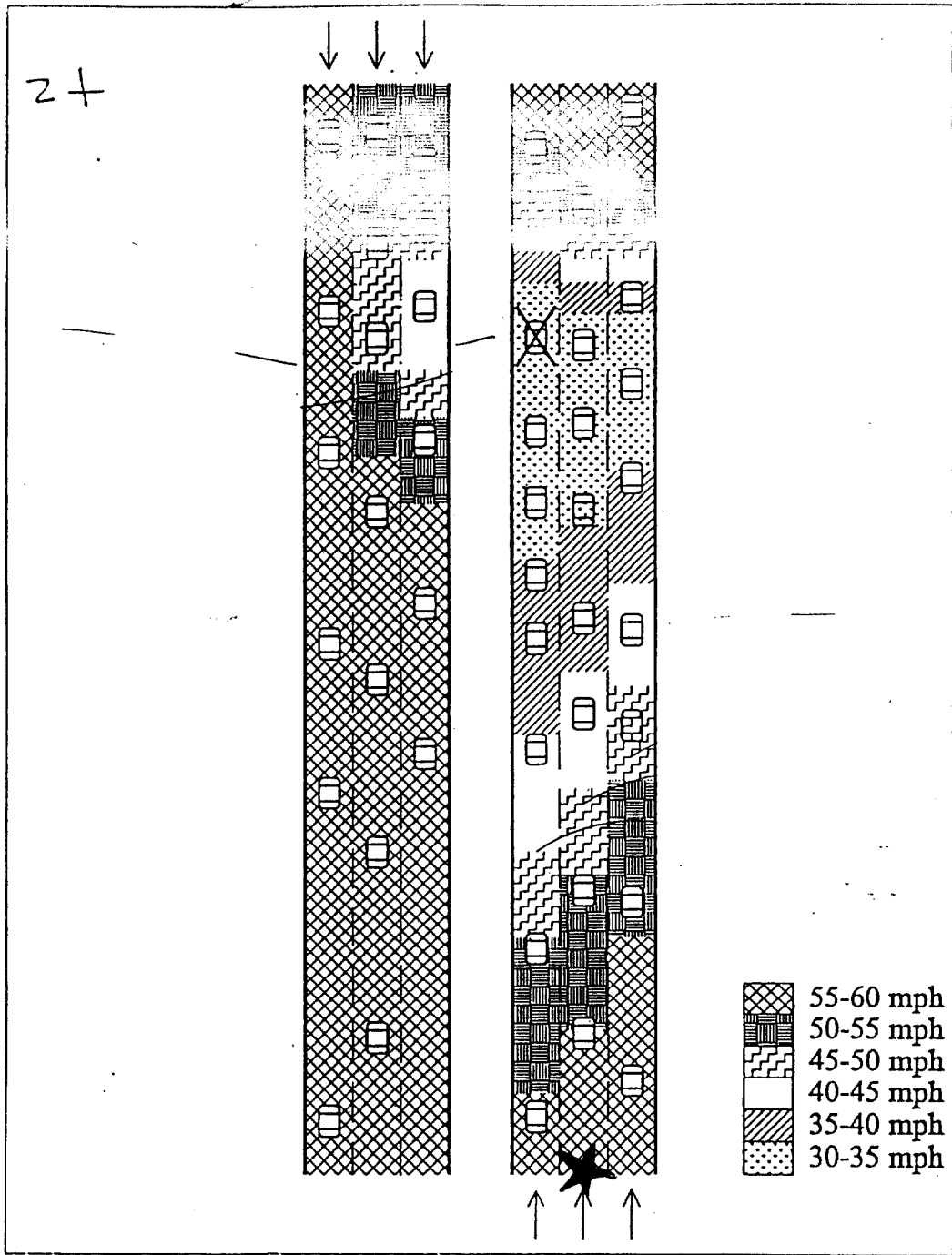


FIG. 14

PRINT OF DRAWINGS
AS ORIGINALLY FI

54



F16.15

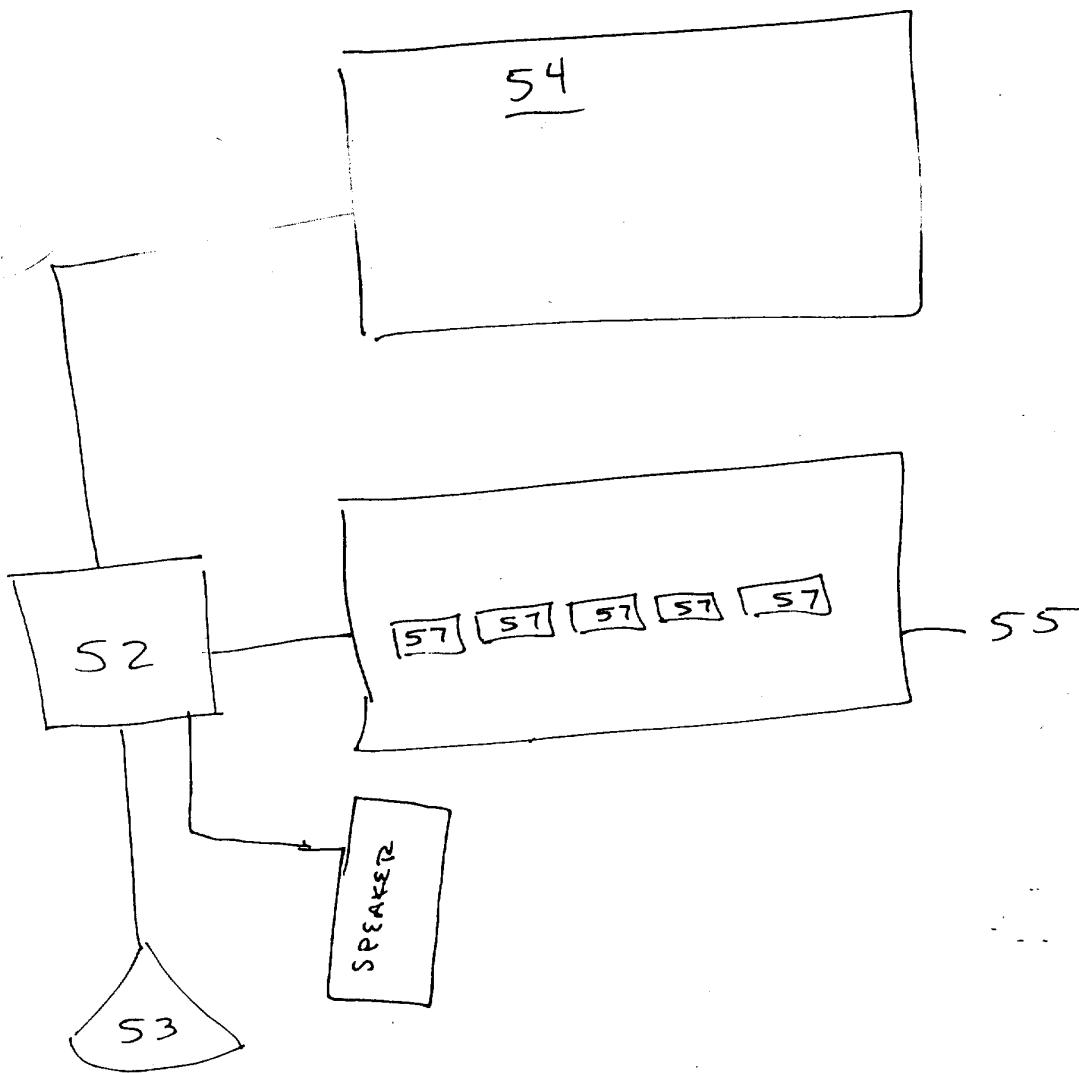
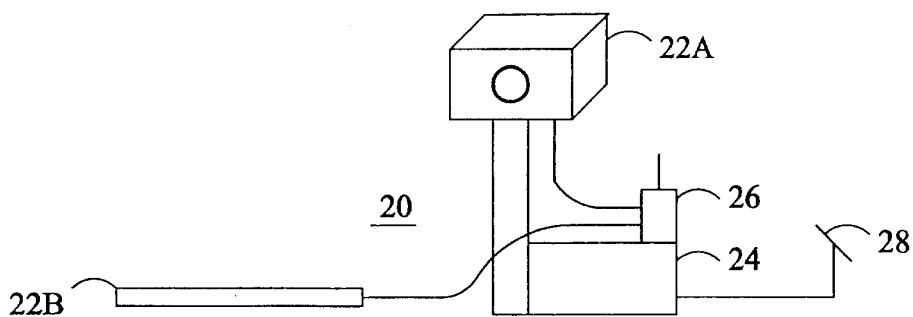
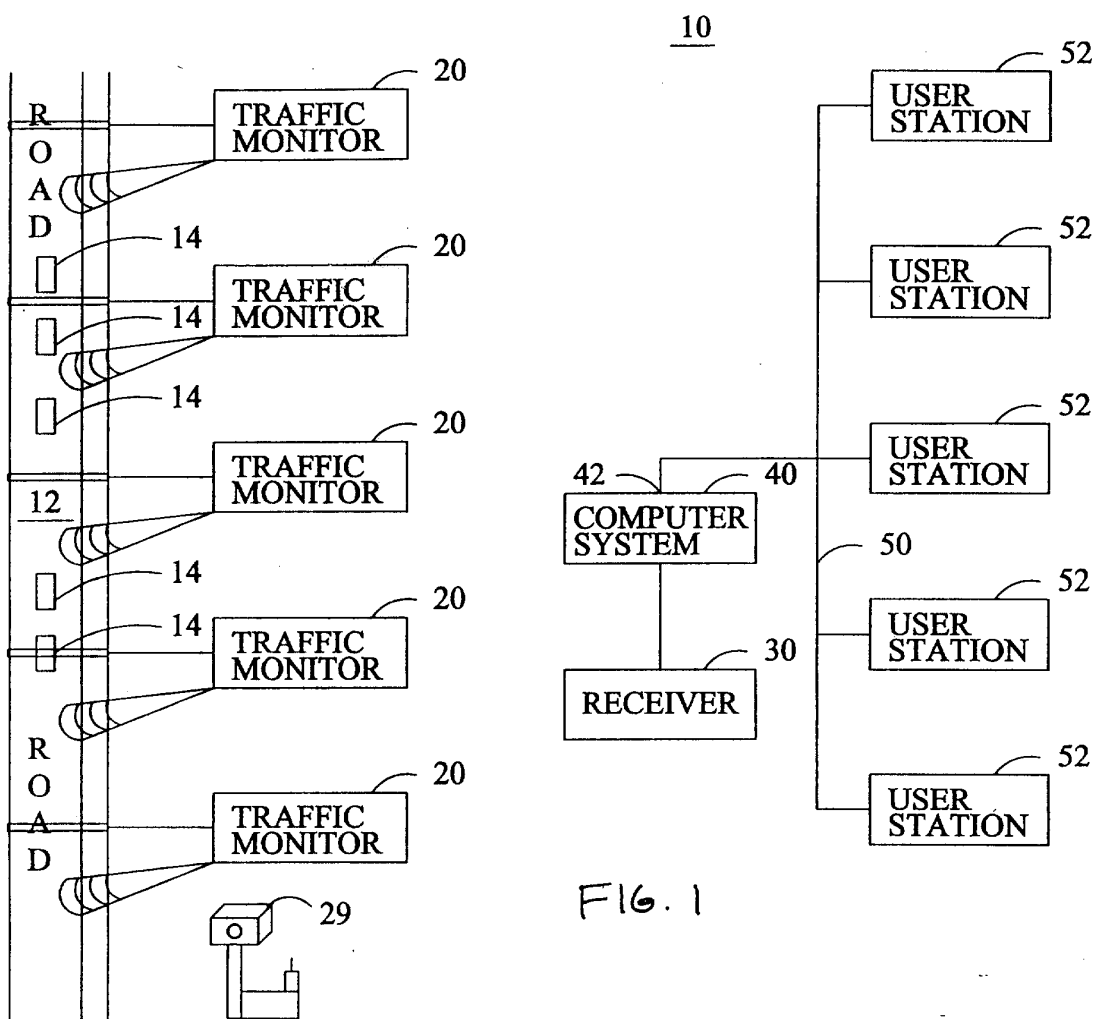


FIG. 16



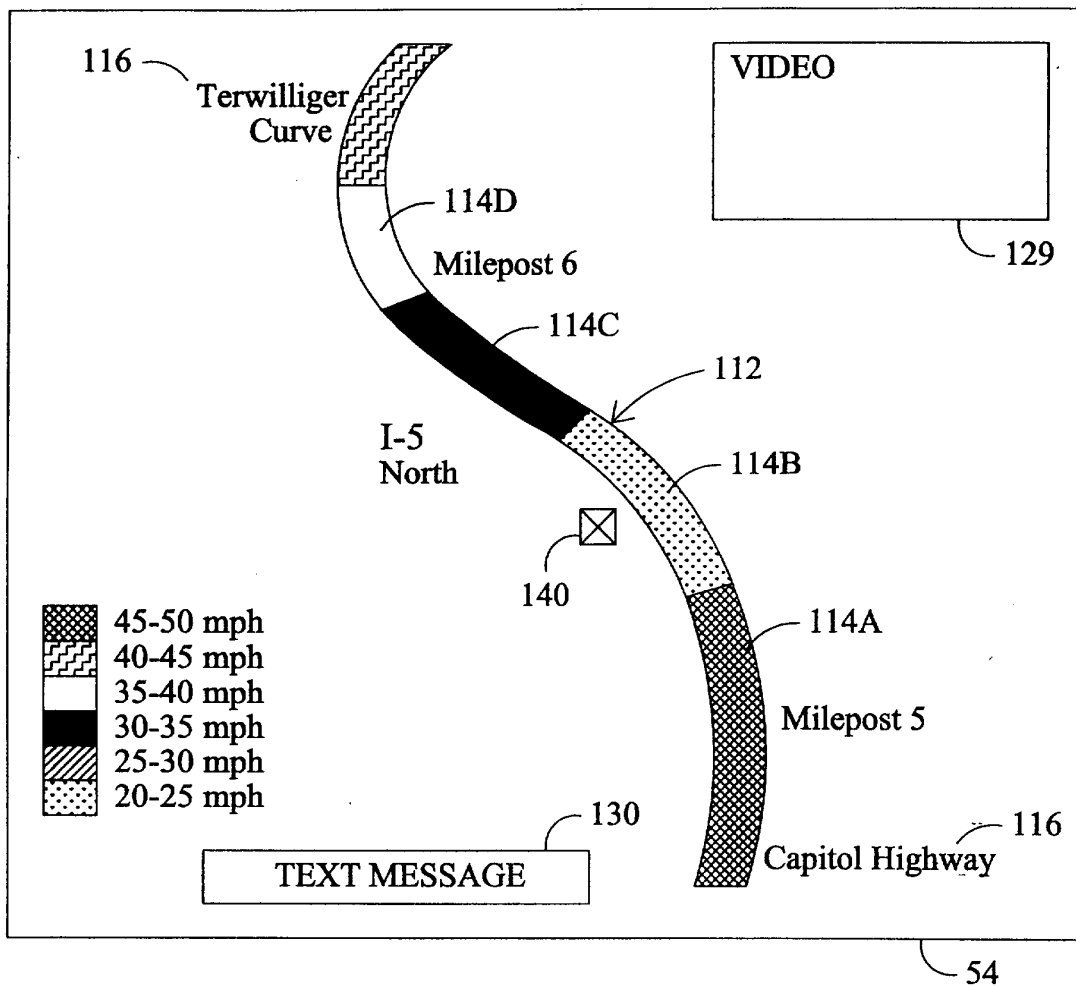


FIG. 3

Copyright © 2004 by Intel Corporation

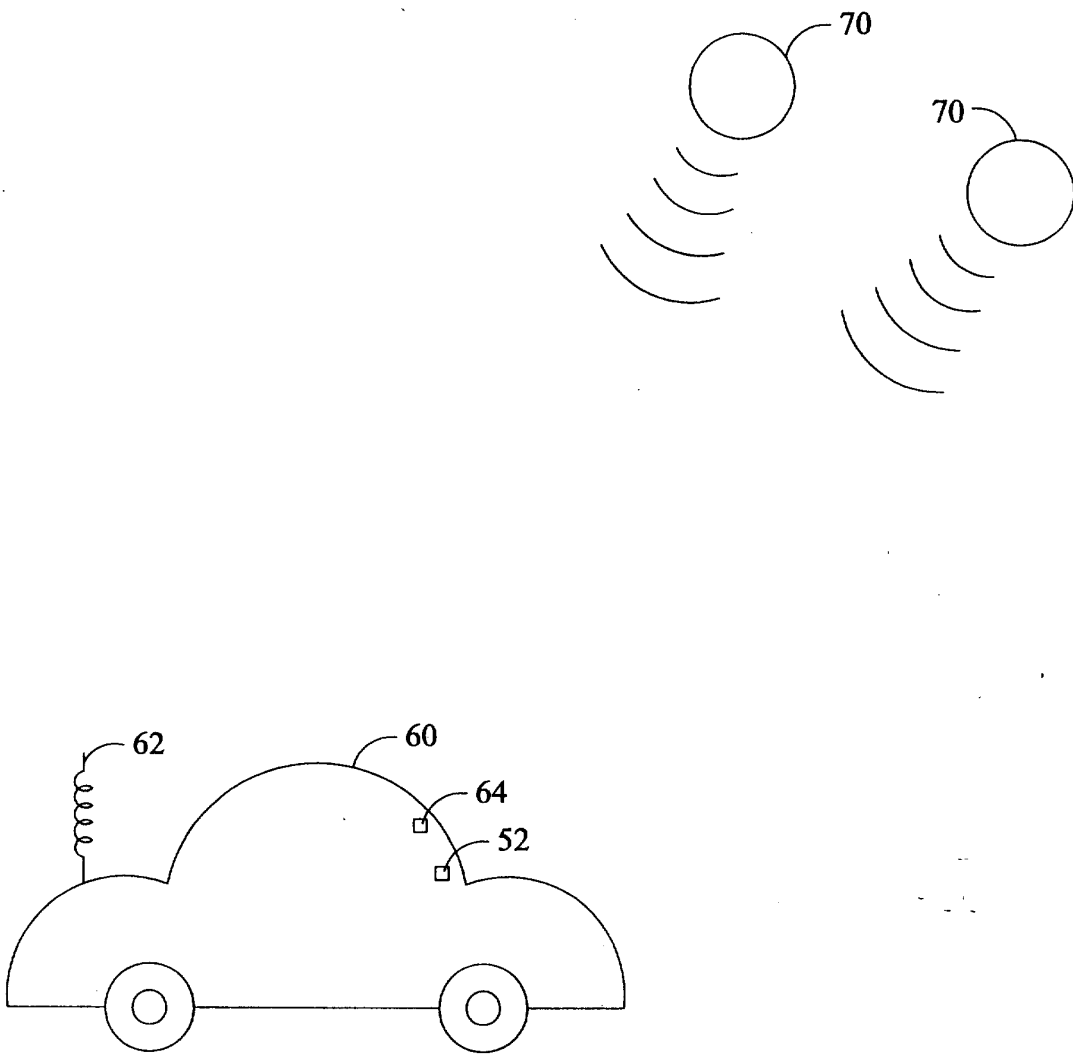


FIG. 4

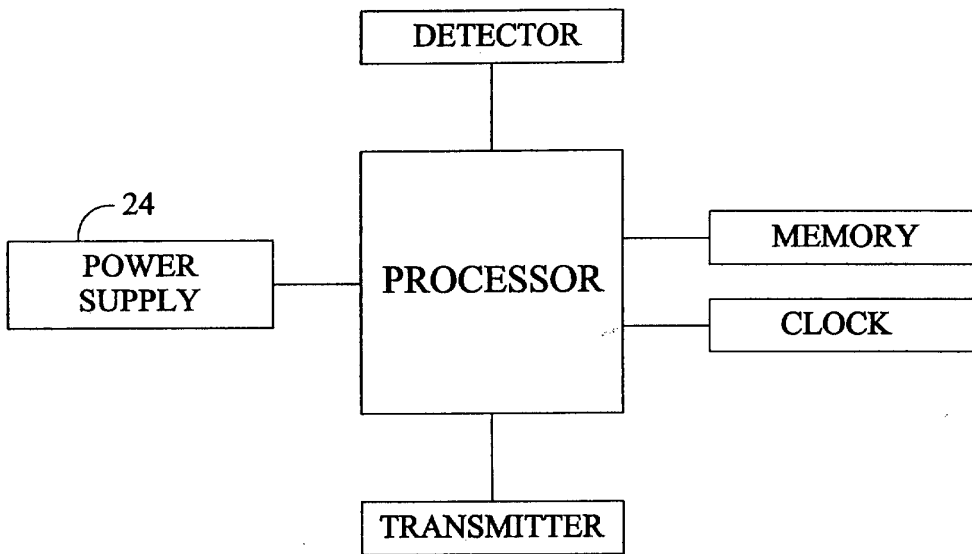


FIG. 5

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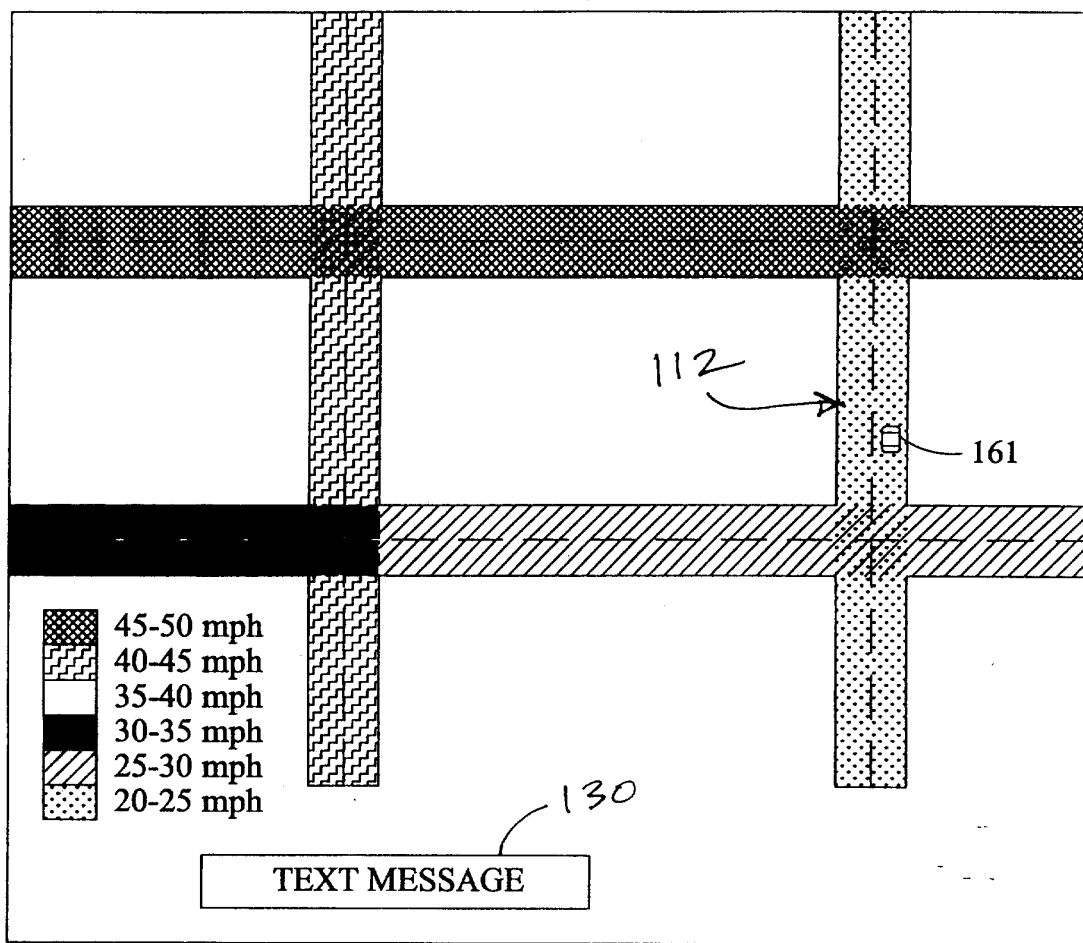


FIG. 6

FIG. 7

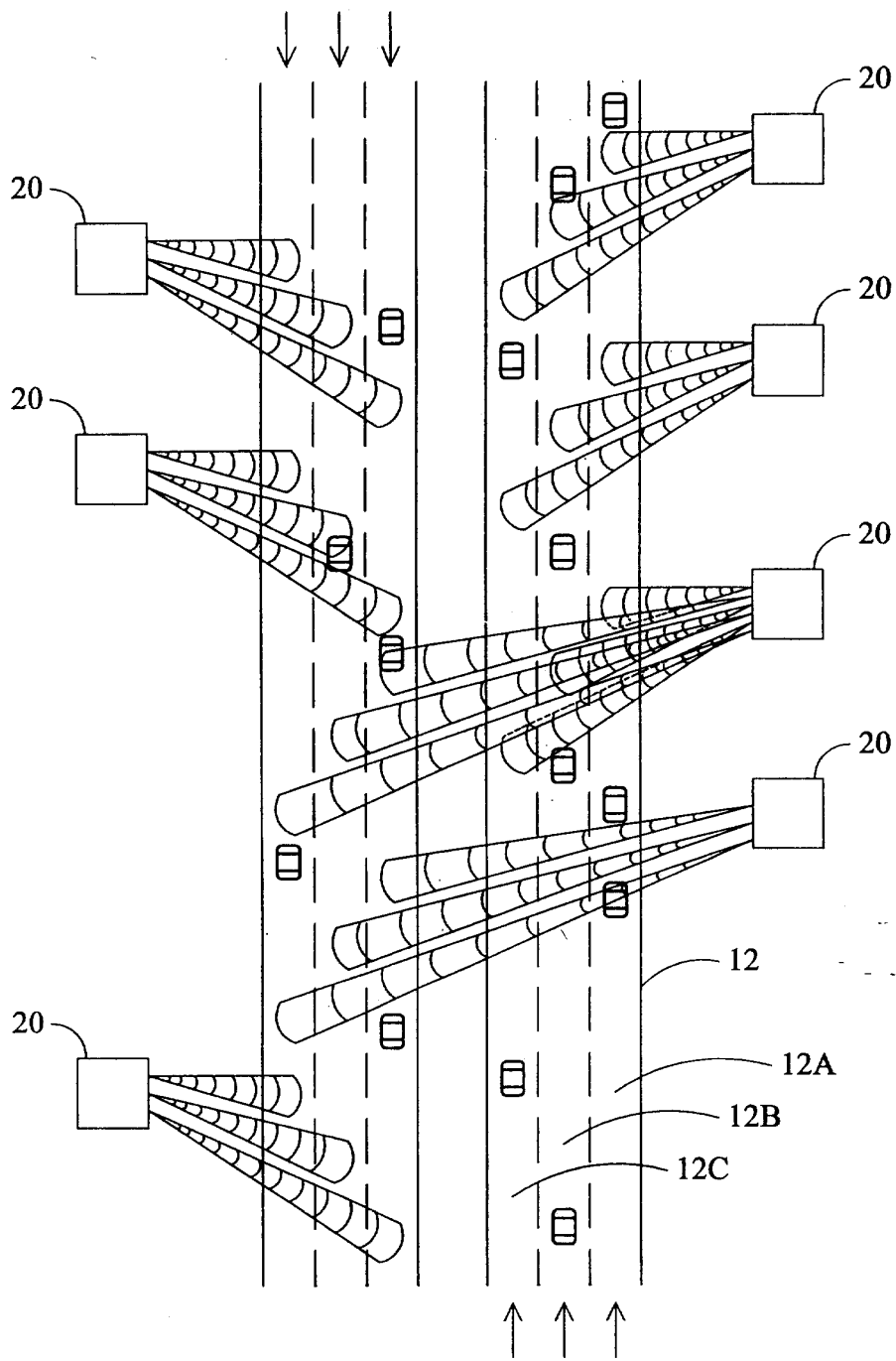


FIG. 7

54

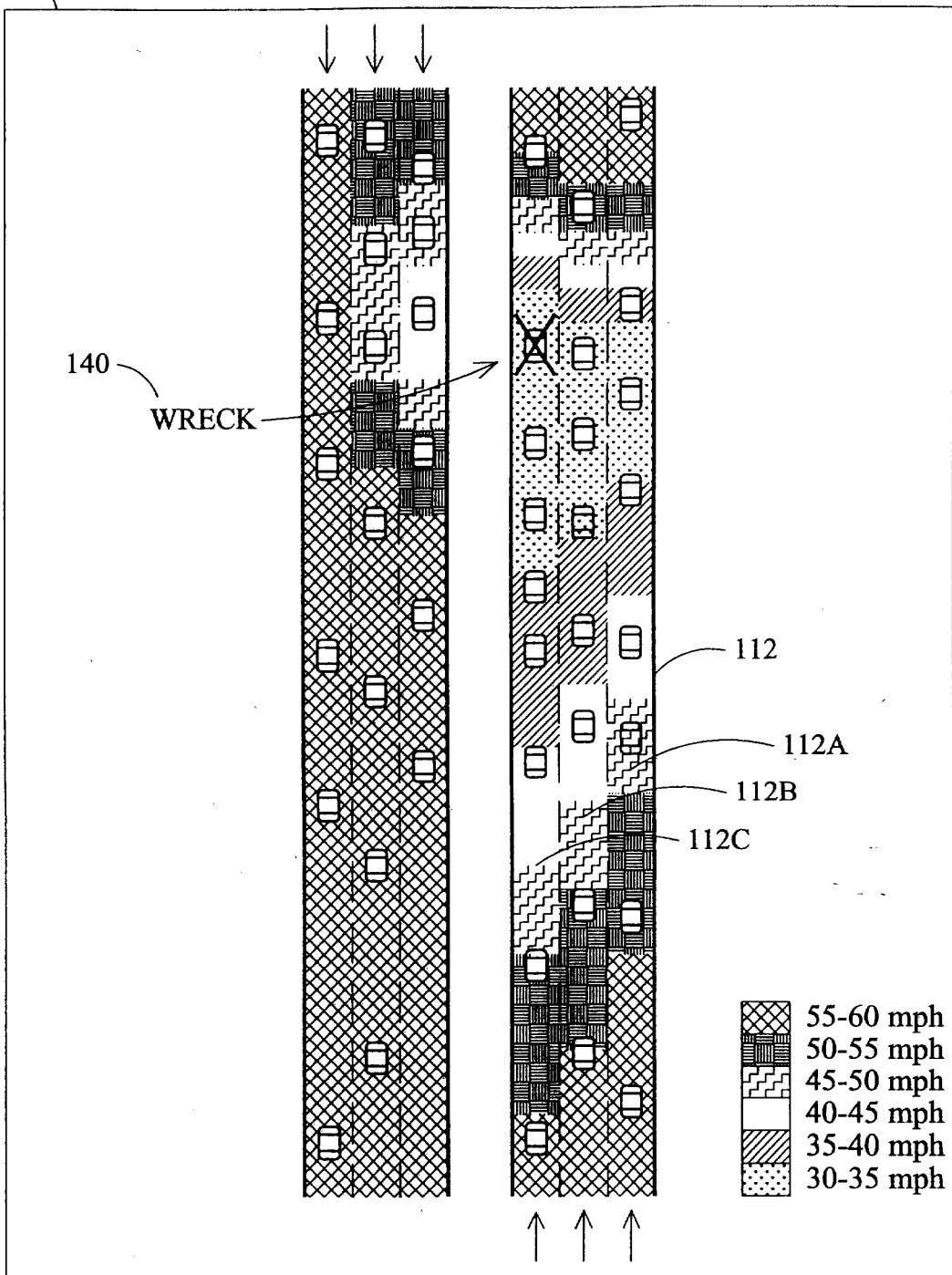
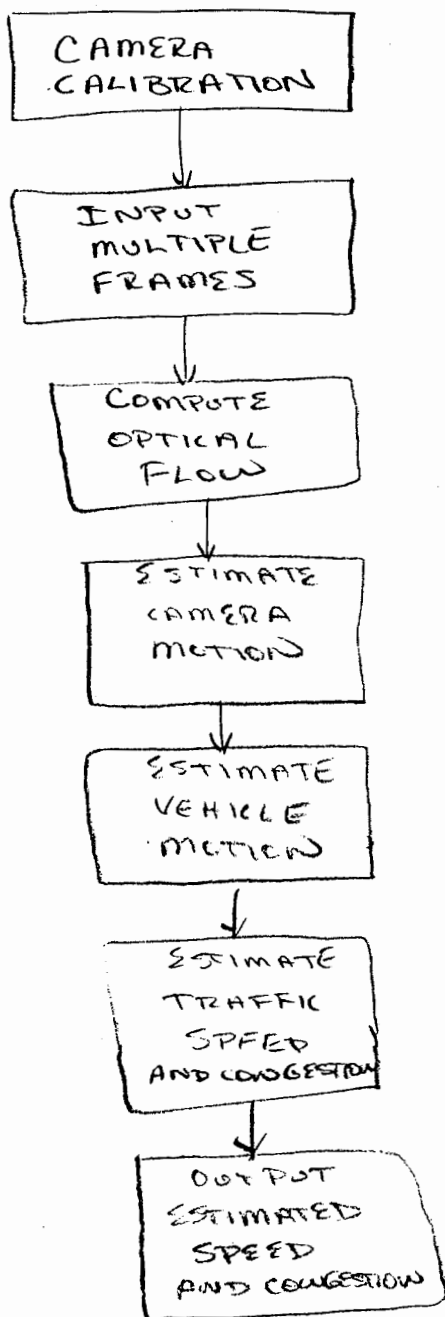


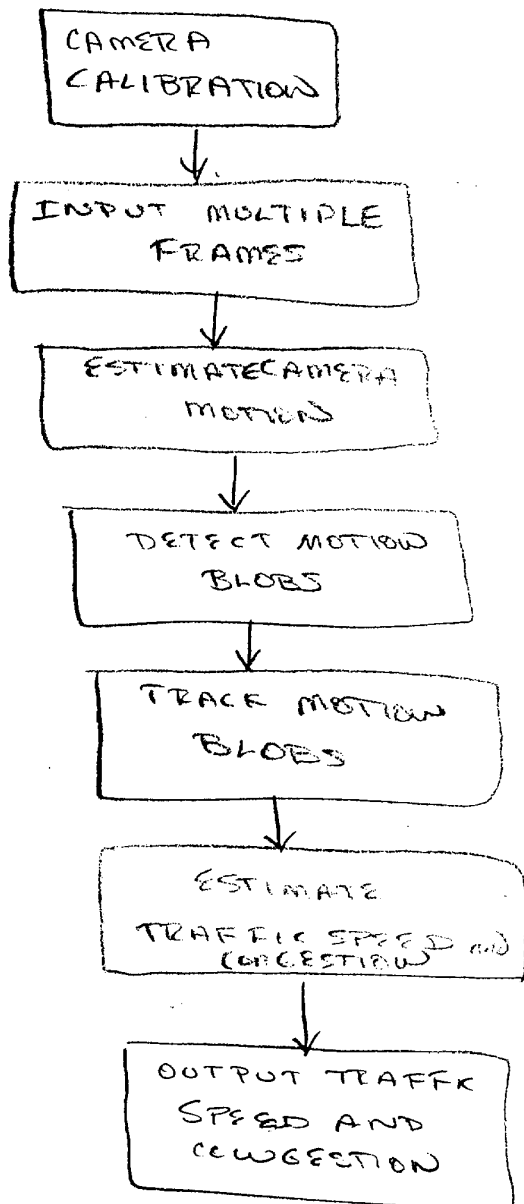
FIG. 8

FIG. 9



60710 5210200

FIG. 10



00000000000000000000

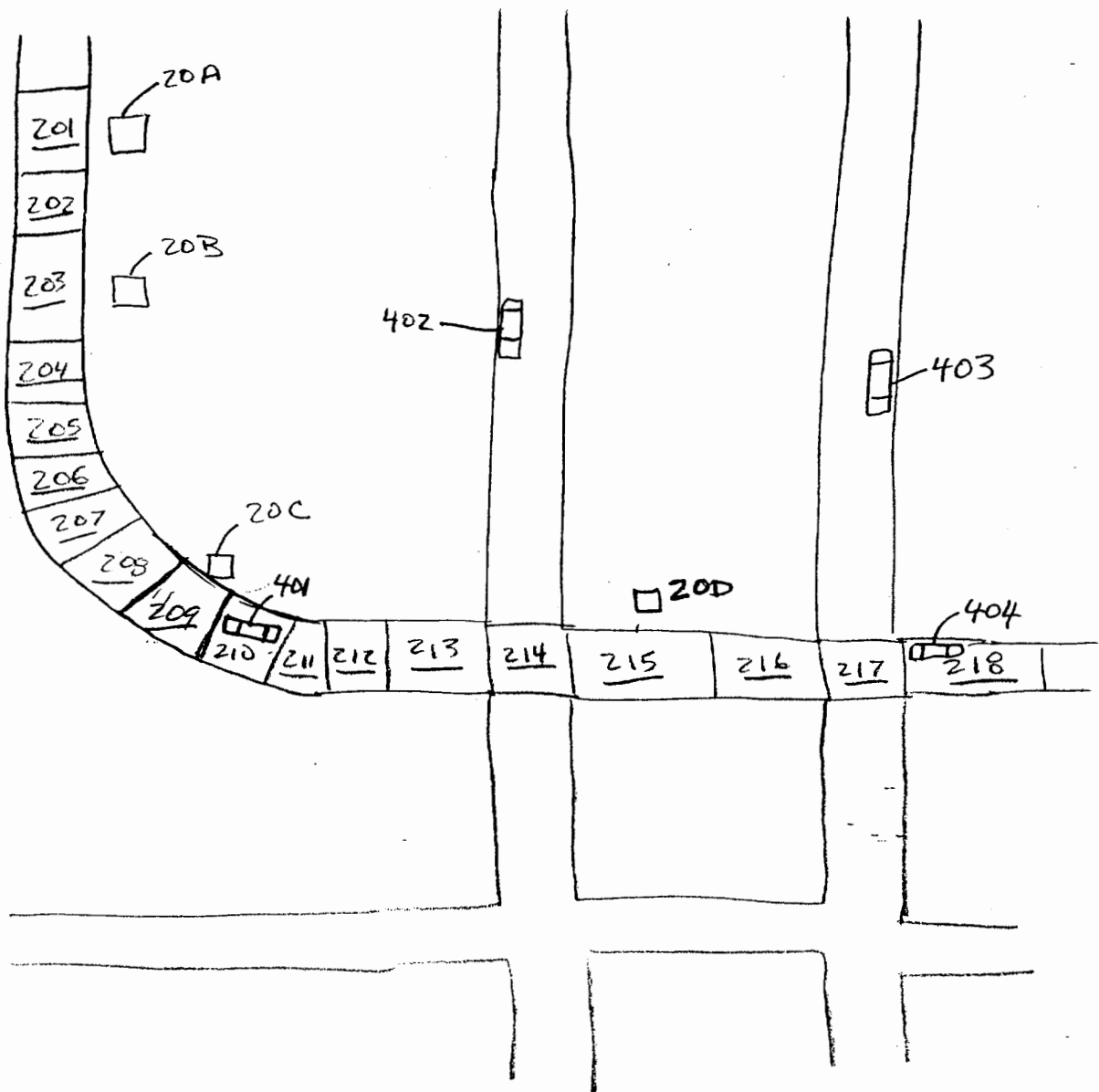


FIG. 11

LOCATION	LAT/LONG	ROAD	DIRECTION	VELOCITY
201	45°54'36"N/ 37°32'12"E	INTERSTATE	0°	55 MPH
202	⋮	LOCAL	27°	20 MPH
203	⋮	BYPASS	EAST	STOPPED
204	⋮	RESIDENTIAL	NW	⋮
205	⋮	⋮	⋮	⋮
206	⋮	⋮	⋮	⋮
207	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

00110" 240000

F16.12

00110 52105500

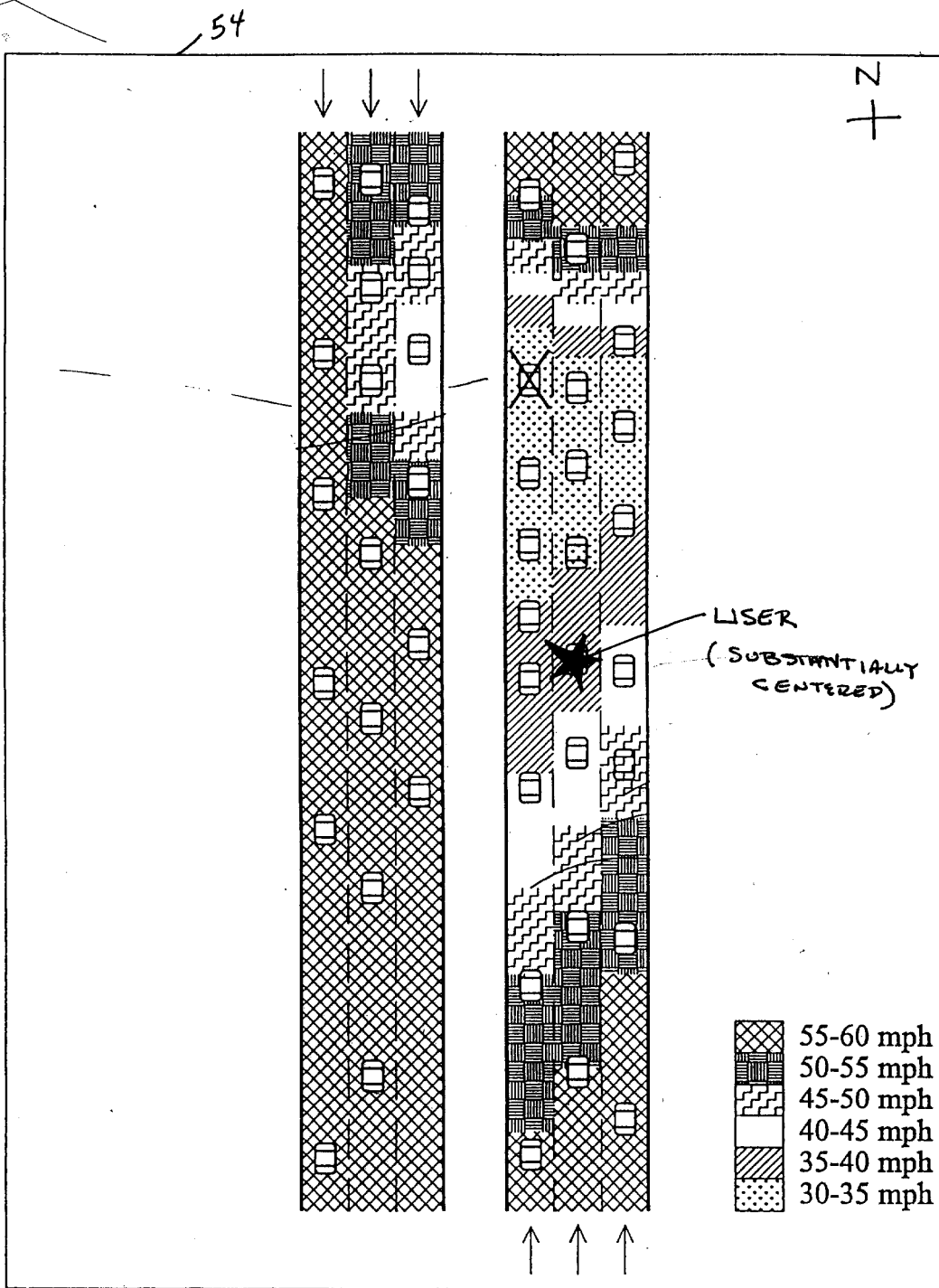


FIG. 13

00110 9410560

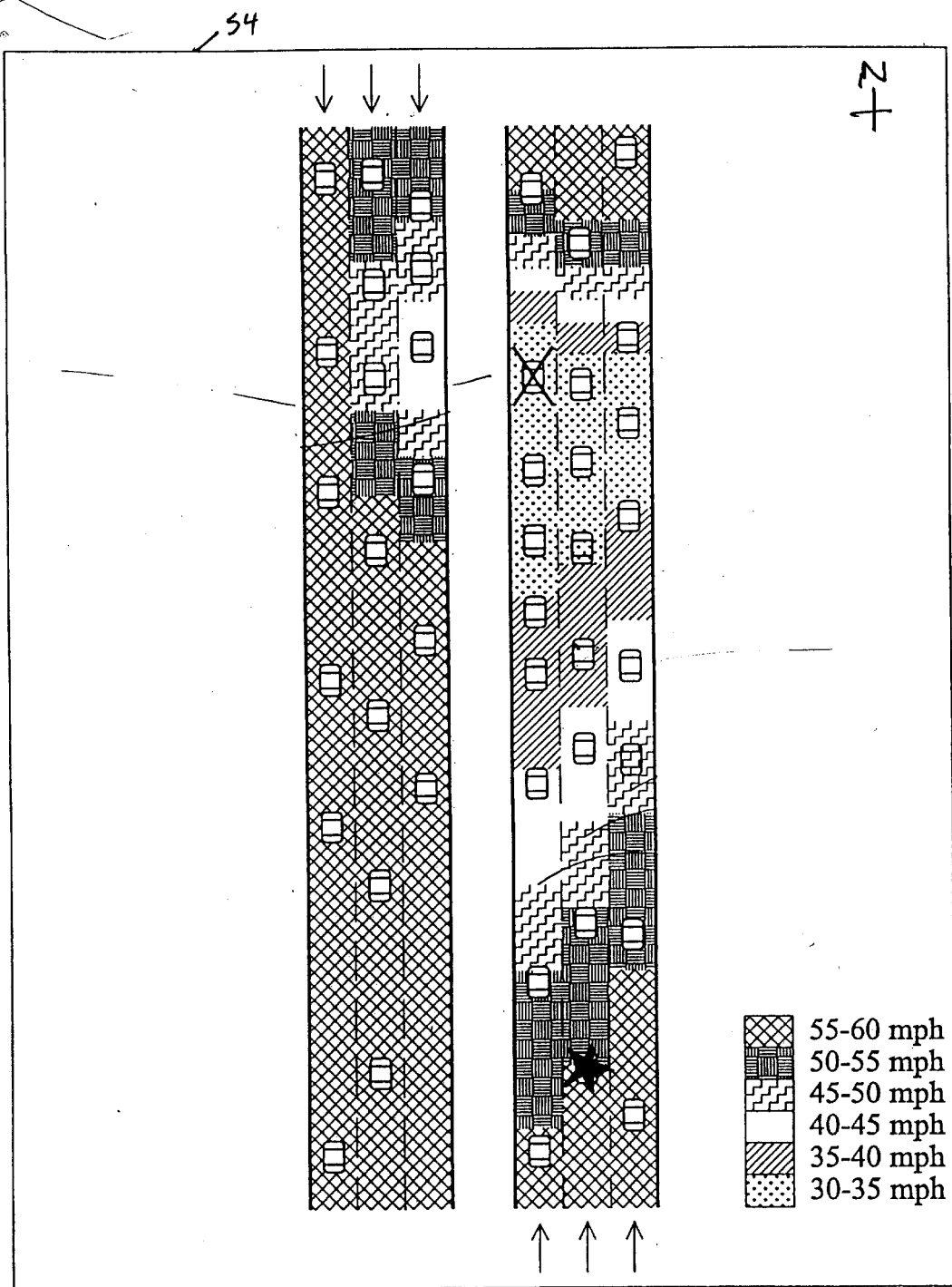
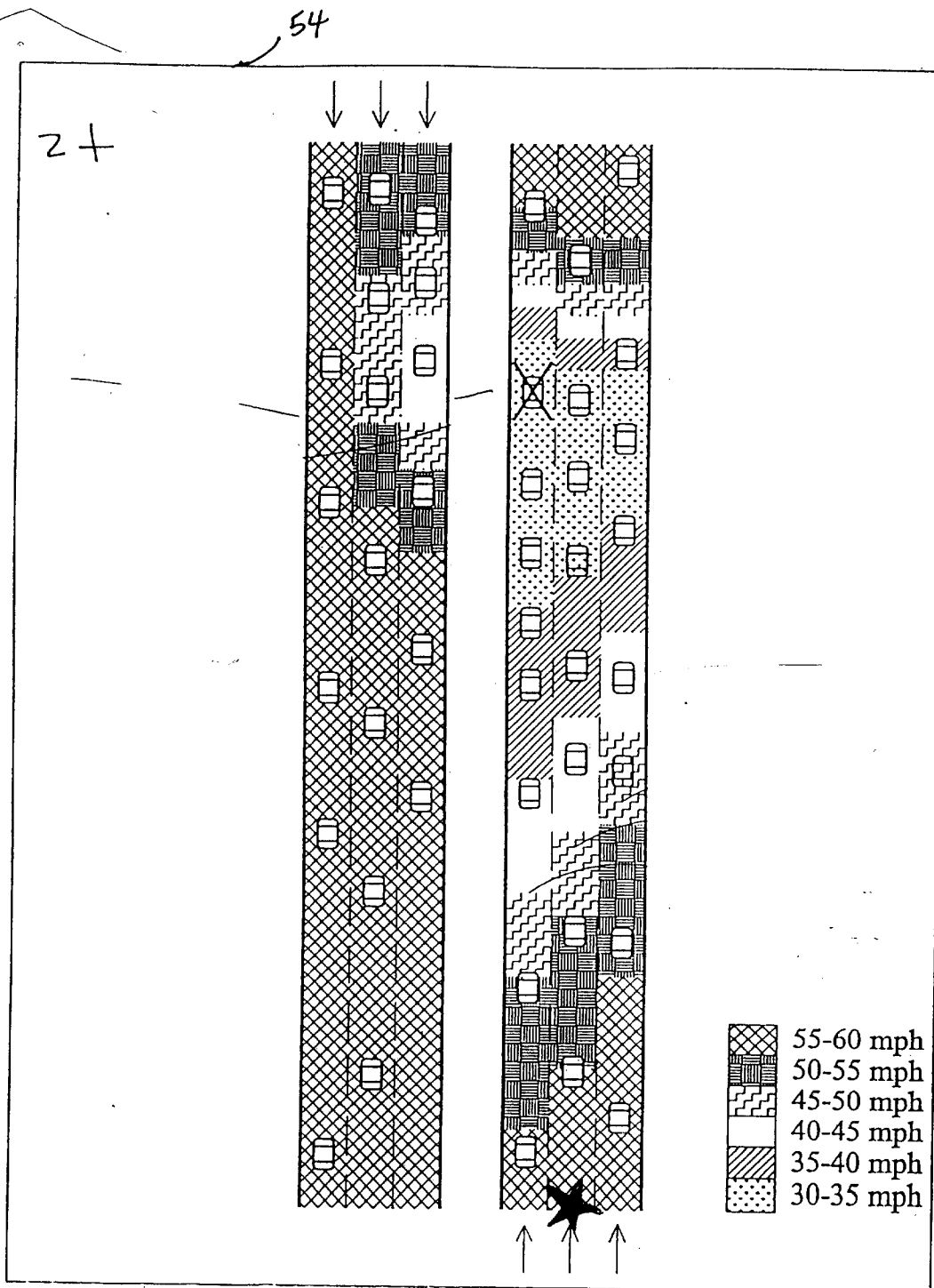


FIG. 14

00710 240550



F16.15

52 53 54 55 57

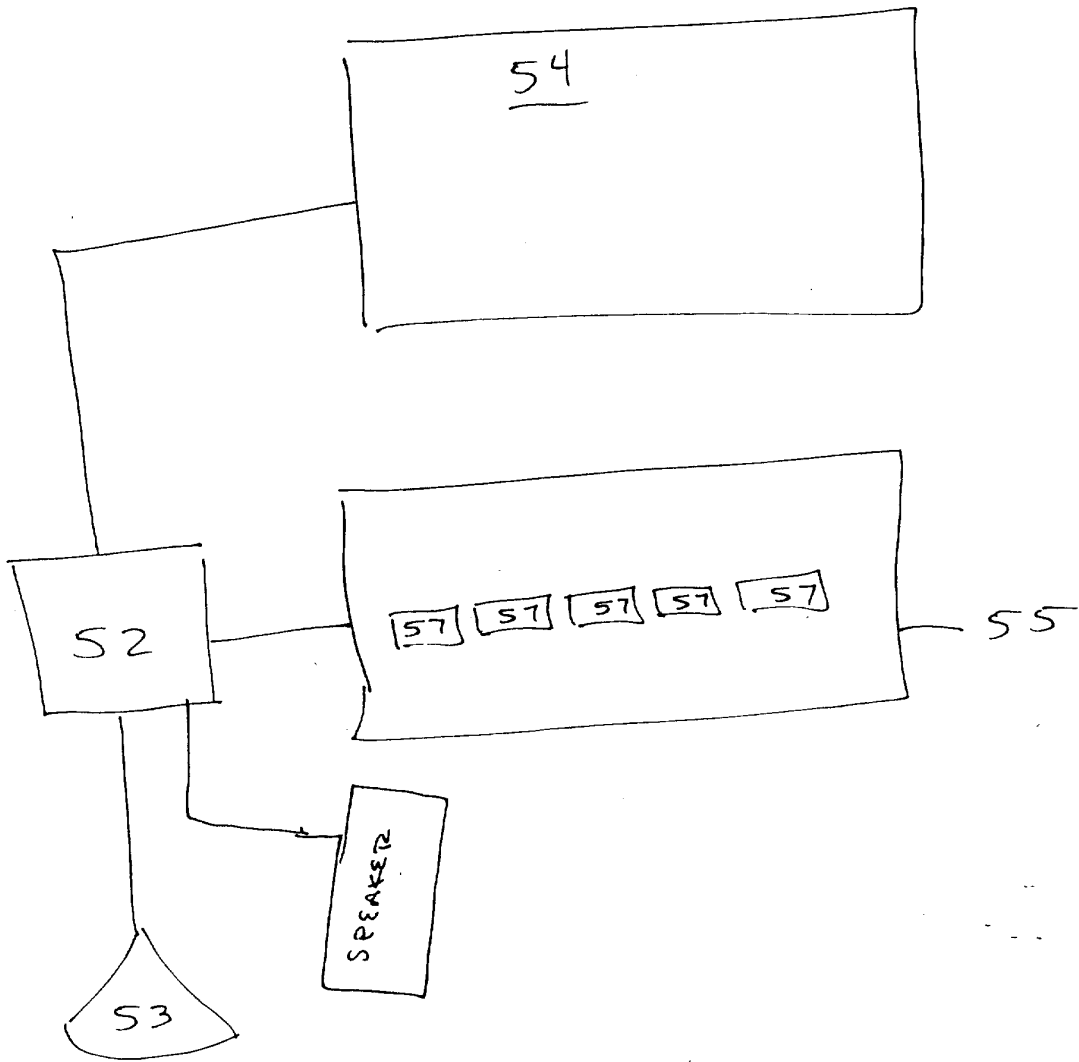


FIG. 16

PATENT APPLICATION FEE DETERMINATION RECORD

Effective December 29, 1999

Application or Docket Number

09/550476

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	38 minus 20=	* 18
INDEPENDENT CLAIMS	3 minus 3=	*
MULTIPLE DEPENDENT CLAIM PRESENT		

* 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)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 38	Minus ** 38	= \$
Independent	* 3	Minus *** 3	= \$
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

(Column 1) (Column 2) (Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 38	Minus ** 38	= /
Independent	* 3	Minus *** 3	= /
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

(Column 1) (Column 2) (Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 34	Minus ** 38	= -
Independent	* 3	Minus *** 3	= -
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

* 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.

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
	345.00			690.00
X\$ 9=	162		X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL	507		TOTAL	

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	



Bib Data Sheet



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER 09/550,476	FILING DATE 04/14/2000 RULE -	CLASS 701	GROUP ART UNIT 3661	ATTORNEY DOCKET NO. BWD-7118.004	
APPLICANTS Bruce W. DeKock, Portland, OR ; Kevin L Russell, Portland, OR ; Richard J. Qian, Camas, WA ;					
** CONTINUING DATA ***** <i>Yes MYM</i> THIS APPLN CLAIMS BENEFIT OF 60/130,399 04/19/1999 WHICH CLAIMS BENEFIT OF 60/166,868 11/22/1999 WHICH CLAIMS BENEFIT OF 60/189,913 03/16/2000					
** FOREIGN APPLICATIONS ***** <i>None MYM</i>					
IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY ** ** 06/29/2000					
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		STATE OR COUNTRY OR	SHEETS DRAWING 15	TOTAL CLAIMS 38	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance					
Verified and Acknowledged <i>Martha Marc Coleman MYM</i> Examiner's Signature Initials					
ADDRESS Bruce W DeKock 1600 ODS Tower 801 S W Second Avenue Portland ,OR 97204					
TITLE System for providing traffic information					
FILING FEE RECEIVED 507	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

04-17-00

A

04/14/00
3490 U.S. PTO

3490 U.S. PTO
09/550476
04/14/00

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new non-provisional applications under 37CFR§1.53(b))</small>		Attorney Docket No.	BWD:7116.004
		First Inventor or Application Identifier	DeKOCK, et al.
		Title	SYSTEM FOR PROVIDING TRAFFIC INFORMATION
		Express Mail Label No.	EL472157366US

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231
---	--

1. <input type="checkbox"/> *Fee Transmittal Form (e.g. PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small>	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification Total Pages <input type="text" value="51"/> <small>(preferred arrangement set forth below)</small> - Descriptive Title of the Invention - Cross References to Related Applications - Statement Regarding Federally Sponsored Research - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer readable copy b. <input type="checkbox"/> Paper copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies	
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) Total Pages <input type="text" value="15"/>	ACCOMPANYING APPLICATION PARTS	
4. Oath or Declaration Total Pages <input type="text" value="3"/> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.63(d)) <small>(for continuation/divisional with Box 16 completed)</small> i. <input type="checkbox"/> Deletion of Inventor(s) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§1.53(d)(2) and 1.33(b)	7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	8. <input type="checkbox"/> 37 CFR §3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>when there is an assignee</small>
	9. <input type="checkbox"/> English translation document (if applicable)	10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) /PTO 1449 <input checked="" type="checkbox"/> Copies of IDS Citations
	11. <input type="checkbox"/> Preliminary Amendment	12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(should be specifically itemized)</small>
	13. <input checked="" type="checkbox"/> *Small Entity Statements <input type="checkbox"/> Statement filed in prior application. Status still proper and desired. <small>(PTO/sb/09-12)</small>	14. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small>
	15. <input checked="" type="checkbox"/> Other - Check for \$504	

* Note for Items 1 & 13: In order to be entitled to pay small entity fees, a small entity statement is required (37 CFR §1.27), except if one filed in a prior application is relied upon (37 CFR §1.28)

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment
 Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____
 Prior application information: Examiner _____ Group No./Art Unit _____
 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label or Correspondence address below

Name	Bruce W. DeKock		
Address	1800 ODS Tower, 601 S.W. Second Avenue		
City	Portland	State	Oregon
Country	USA	Zip Code	97204
	Telephone	(503) 227-5631	FAX (503) 228-4373
Name (print type)	Bruce W. DeKock	Registration No. (Attorney/Agent)	40,585
Signature			Date April 14, 2000

FEE TRANSMITTAL for FY 2000

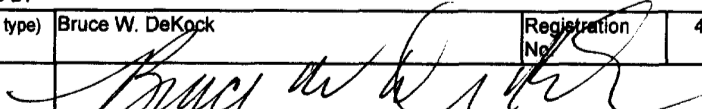
*Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.*

date if known

Application Number	
Filing Date	Concurrently Herewith
First Named Inventor	DeKOCK, Bruce W.
Examiner Name	
Group/ Art Unit	
Attorney Docket No.	BWD:7116.004

TOTAL AMOUNT OF PAYMENT \$507

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																																																																	
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge the indicated fees and credit any over payments to:</p> <p>Deposit Account Number 03-1550</p> <p>Deposit Account Name Chernoff Vilhauer McClung & Stenzel</p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 & 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>690</td> <td>201</td> <td>345</td> <td>Utility filing fee</td> <td style="border: 1px solid black; text-align: center;">345</td> </tr> <tr> <td>106</td> <td>310</td> <td>206</td> <td>155</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>480</td> <td>207</td> <td>240</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>690</td> <td>208</td> <td>345</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="border: 1px solid black; text-align: center;">\$345</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> <tr> <th>Total Claims</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>38</td> <td>-20*</td> <td>=</td> <td>18</td> <td>X</td> <td>9</td> <td>=</td> <td>162</td> </tr> <tr> <td>Indep. Claims</td> <td>3</td> <td>-3*</td> <td>=</td> <td>0</td> <td>X</td> <td>=</td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><i>*or number of previously paid, if greater. For reissues, see below.</i></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>78</td> <td>202</td> <td>39</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>260</td> <td>204</td> <td>130</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>78</td> <td>209</td> <td>39</td> <td>*Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>*Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td style="border: 1px solid black; text-align: center;">\$162</td> </tr> </tbody> </table> <p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1840*</td> <td>113</td> <td>1840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>380</td> <td>216</td> <td>190</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>870</td> <td>217</td> <td>435</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,380</td> <td>218</td> <td>680</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,850</td> <td>228</td> <td>925</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>300</td> <td>219</td> <td>150</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>300</td> <td>220</td> <td>150</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>260</td> <td>221</td> <td>130</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,210</td> <td>241</td> <td>605</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,210</td> <td>242</td> <td>605</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>430</td> <td>243</td> <td>215</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>580</td> <td>244</td> <td>290</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146</td> <td>690</td> <td>246</td> <td>345</td> <td>Filing a submission after final rejection (37 C.F.R. 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>690</td> <td>249</td> <td>345</td> <td>For each additional invention to be examined (37 C.F.R. 1.129(b))</td> <td></td> </tr> <tr> <td colspan="5">Other (specify)</td> <td></td> </tr> <tr> <td colspan="5">Other (specify)</td> <td></td> </tr> <tr> <td colspan="5">* Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (3)</td> <td style="border: 1px solid black; text-align: center;">\$0</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	690	201	345	Utility filing fee	345	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	690	208	345	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					\$345			Extra Claims		Fee from below		Fee Paid		Total Claims								38	-20*	=	18	X	9	=	162	Indep. Claims	3	-3*	=	0	X	=	0	Multiple Dependent								Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	78	202	39	Independent claims in excess of 3		104	260	204	130	Multiple dependent claim, if not paid		109	78	209	39	*Reissue independent claims over original patent		110	18	210	9	*Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					\$162	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge-late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1840*	113	1840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	380	216	190	Extension for reply within second month		117	870	217	435	Extension for reply within third month		118	1,380	218	680	Extension for reply within fourth month		128	1,850	228	925	Extension for reply within fifth month		119	300	219	150	Notice of Appeal		120	300	220	150	Filing a brief in support of an appeal		121	260	221	130	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,210	241	605	Petition to revive - unintentional		142	1,210	242	605	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	580	244	290	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Statement		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	690	246	345	Filing a submission after final rejection (37 C.F.R. 1.129(a))		149	690	249	345	For each additional invention to be examined (37 C.F.R. 1.129(b))		Other (specify)						Other (specify)						* Reduced by Basic Filing Fee Paid						SUBTOTAL (3)					\$0
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SUBMITTED BY		Complete (if applicable)			
Name (print type)	Bruce W. DeKock	Registration No.	40,585	Telephone	(503) 227-5631
Signature				Date	April 14, 2000

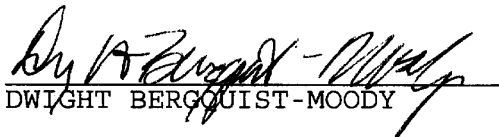
Jc674 U.S. PTO
09/550476
04/14/00

CERTIFICATE OF MAILING
BY "EXPRESS MAIL"

Express Mail No. EL472157366US

Date of Deposit: April 14, 2000

I hereby certify that the utility patent application attached hereto entitled SYSTEM FOR PROVIDING TRAFFIC INFORMATION totaling 51 pages, together with fifteen (15) sheets of informal drawings, a Declaration and Power of Attorney, Status of Status of Small Entity, a utility patent application transmittal form, a fee transmittal form (in duplicate), a check for \$507, IDS, 1449 form w/references attached, this Certificate of Mailing by Express Mail, and a return, acknowledgment postcard is being deposited with the United States Postal Service "Express Mail to Addressee" service on the date indicated above and is addressed to Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.


DWIGHT BERGQUIST-MOODY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION EXAMINING OPERATIONS

*YAAZ
12/1/00*

JCS74 U.S. PTO
09/550476
04/14/00

Applicant: DeKock, et al. Group Art Unit:
Serial No: (concurrently herewith) Examiner:
Filed : April 14, 2000
Title : SYSTEM FOR PROVIDING TRAFFIC INFORMATION

INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98

Chernoff, Vilhauer, McClung
& Stenzel LLP
1600 ODS Tower
601 S.W. Second Ave.
Portland, Oregon 97204
April 14, 2000

Box PATENT APPLICATION
Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

Applicants submit herewith copies of patents and other art of which they are aware and which they desire to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(1), this Information Disclosure Statement is being submitted within three months of filing the above-identified application.

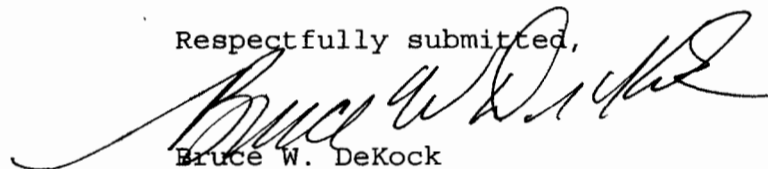
In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publication enclosed herewith is set forth on the attached single page of Form PTO-1449 (Modified).

References have been discussed in the Background of the Invention portion of the patent application.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventors and the information in the file.

Respectfully submitted,

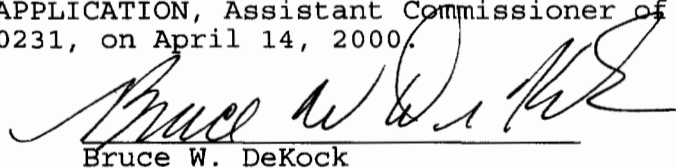


Bruce W. DeKock
Reg. No. 40,585
Attorney for Applicants
Tel: (503) 227-5631

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Box PATENT APPLICATION, Assistant Commissioner of Patents, Washington, DC 20231, on April 14, 2000.

Dated: April 14, 2000


Bruce W. DeKock

Dated: 4-12-00
Full name of 3rd joint inventor
Residence
Citizenship
Post Office Address

Richard J. Qian
Richard J. Qian
Camas, Washington
~~U.S.A.~~ CHINA
2844 N.W. 44th Ave.
Camas, Washington 98607

00110 240550



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/550,476	04/14/00	DEKOCK	B BWD-7118.004
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BRUCE W DEKOCK
1600 ODS TOWER
801 S W SECOND AVENUE
PORTLAND OR 97204

PM82/0122

EXAMINER

MARC COLEMAN, M

ART UNIT	PAPER NUMBER
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3661

DATE MAILED: 01/22/01

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

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 09/550,476	Applicant(s) DEKOCK ET AL.	
	Examiner Marthe Y. Marc-Coleman	Art Unit 3661	

-- 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) 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 the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- 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 14 April 2000.
- 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) 1-38 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) 1-38 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claims _____ 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 _____ is/are objected to by the Examiner.
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 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.
- 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- | | |
|--|--|
| 15) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 18) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 16) <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 19) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 17) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 . | 20) <input type="checkbox"/> Other: |

DETAILED ACTION

1. Claims 1-38 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1, 7, 8, 11-13, 16, 19, 24-34, 37 and 38 are rejected under 35 U.S.C. 102(2) as being anticipated by Fan et al. (U.S. Patent No. 5,959,577).

In regard to claim 1, Fan et al. disclose :

- in one embodiment, using a GPS receiver, position information of a mobile unit is determined from positioning signals received from GPS satellites and pseudo-ranges derived from the positioning signals. The GPS receiver triangulates the pseudo-ranges to obtain a measured position of the mobile unit. The measured position is then transmitted via a data network to a data processing station. (see col. 1 line 64-col. 2 line 4); which corresponds to part (a) of claim 1;
- a GPS receiver of the mobile unit receives a positioning signal which contains code sequences from GPS satellite constellation 8 and converts the code (see col. 3 lines 16-20); which correspond to part (b) of claim 1.

- a data processing station 18 interconnected with said GPS satellite receiver 8 and said wireless network 10 (see Fig. 1); which correspond to part (c) of claim 1;
- a mobile unit 3 connected to a global positioning system receiver 8 (see Fig. 1), a mobile unit having a display (see Fig. 12), communicating device (see Fig. 1); which corresponds to step (d) of claim 1.
- an authorized monitor unit may request for a specific area map by sending a request through the data network. Upon receiving a request, the data processing unit sends the area map to the monitor unit. Data processing station may also perform a database search for travel-related information, such as directions to a gasoline station (see abstract); Fan et al. also disclose in one embodiment, using a GPS receiver, position information of a mobile unit is determined from positioning signals received from GPS satellites and pseudo-ranges derived from the positioning signals. The GPS receiver triangulates the pseudo-ranges to obtain a measured position of the mobile unit. The measured position is then transmitted via a data network to a data processing station. The data processing station organizes the measured position and generates an area map which indicates by a position marker the position of each mobile unit. This area map is made available to one or more monitor units connected to the data network. A mobile unit may also send a request for a database search through the data network to the data

processing station to obtain an area map or travel-related information (see col. 1 line 64-col. 2 line 24); Which corresponds to part (e) of claim 1.

In regard to claim 16, Fan et al. disclose that:

- one or more ground stations and many mobile units installed on the vehicles. In such a system, each mobile unit is equipped with a GPS receiver and a wireless transmitter. Using the GPS receiver, a mobile unit determines the position of the vehicle and then transmits the position directly to a ground station. The ground station receives the positions of all vehicles, and displays these positions on a digital map on a display device. The ground station of a conventional vehicle locating system normally also includes a map database search system, a media reader (e.g., a CD-ROM drive) and media (e.g., CD-ROMs) that store digital maps and travel-related information. Using the stored digital maps and positioning information received from the GPS satellites, the operator of the ground station can determine a present position for the vehicle (see col. 1 lines 26-40). Fan et al. also disclose identification code of said mobile user station and said transmitter transmitting said signal (see col. 4 lines 55-65); which corresponds to part (a) of claim 16.
- a GPS receiver of the mobile unit receives a positioning signal which contains code sequences from GPS satellite constellation 8 and converts the code (see col. 3 lines 16-20); which correspond to part (b) of claim 16.

- a data processing station 18 interconnected with said GPS satellite receiver 8 and said wireless network 10 (see Fig. 1); an authorized monitor unit may request for a specific area map by sending a request through the data network. Upon receiving a request, the data processing unit sends the area map to the monitor unit. Data processing station may also perform a database search for travel-related information, such as directions to a gasoline station (see abstract); Fan et al. also disclose in one embodiment, using a GPS receiver, position information of a mobile unit is determined from positioning signals received from GPS satellites and pseudo-ranges derived from the positioning signals. The GPS receiver triangulates the pseudo-ranges to obtain a measured position of the mobile unit. The measured position is then transmitted via a data network to a data processing station. The data processing station organizes the measured position and generates an area map which indicates by a position marker the position of each mobile unit. This area map is made available to one or more monitor units connected to the data network. A mobile unit may also send a request for a database search through the data network to the data processing station to obtain an area map or travel-related information (see col. 1 line 64-col. 2 line 24); Which corresponds to part (6) of claim 16.

In regard to claims 25, 26, and 34, Fan et al. disclose:

- a plurality of mobile user stations, each mobile user station being associated with a display, a display, a global positioning system receiver and a communicating device to allow each of said mobile user stations to send and receive signals (see col.1 lines 24-40);
- a data processing station 18 interconnected with said GPS satellite receiver 8 and said wireless network 10 (see Fig. 1); said computer being capable of sensing and receiving signals to and from said mobile user stations (see Fig. 1); which corresponds to part (b) of claim 25;
- said computer system including a map database and a traffic information database, said traffic information database containing data representative of traffic at a plurality of locations (see col. 4 lines 41-54); which corresponds to part (c) of claim 25;
- at least one of said mobile user stations providing a request to said computer system for information together with a respective geographic location of said one of said mobile user stations, and in response thereto, said computer system providing to said one of said mobile user stations information representative of selected portions of said map database and selected portions of said traffic information database based on said respective geographic location of said one of said mobile user stations (see col. 1 line 64-col. 2 line 24);

Fan et al. also disclose that said map information is displayed together with traffic information (see Figs. 12 and 13).

In regard to claims 7 and 8, Fan et al. disclose that at least one of said transmitters transmits directly to said receiver; at least one of said transmitters transmits to another traffic monitor (see Fig. 1 and col. 1 line 64-col. 2 line 24).

In regard to claims 11 and 30-32, Fan et al. disclose that the mobile unit provide latitude and longitude information to said computer system (see col. 3 lines 11-16 and col. 4 lines 55-65).

In regard to claim 12, Fan et al. disclose that said computer system selects said traffic information to provide to said mobile user station based on a signal received from said global positioning system receiver (see col. col. 1 line 64-col. 2 line 24).

In regard to claims 13, 19, 24, 27-29, 37 and 38, Fan et al. disclose that said computer system maintains a traffic information database containing data representative of traffic at a plurality of locations and updates said traffic information database in response to signals received from said mobile user station; they also disclose that the computer screens data providing by said mobile user stations to determine whether said data corresponds to actual traffic conditions (see col. 4 lines 41-65).

In regard to claim 33, Fan et al. disclose that the internet can be used as data network 27 (Fig. 1), the necessary hardware and software for implementing a monitor unit are readily available. Most computers that have the ability to access the Internet, together with a standard web browser, can be used to access data processing station 18, to perform the functions of the monitor units. Since a monitor unit can receive a map from data processing station 18, such as the map displayed on LCD 212 in Fig. 13, which can be displayed using conventional graphics software, the monitor is not required to be equipped with any special map software or a map database. Because the cost of communication on Internet is inexpensive, a vehicle monitoring system can be deployed in a world-wide basis at minimum cost. Which means that information is displayed as an information banner on said display.

Claim Rejections - 35 USC § 103

4. 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.

5. Claims 2-5, 9, 10, 14, 15, 17, 18, 20-23, 35 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fan et al. (U.S. Patent No. 5,959,577) in view of Lappenbusch et al. (U.S. Patent No. 5,982,298).

In regard to claims 2-4, 14, 17, 20-23, 35 and 36, although Fan et al. disclose a display (see Figs. 12 and 13), they do not specifically disclose that said traffic information transmitted by said computer system is displayed graphically on said display nor do they disclose that said traffic information is displayed together with a video image and a text message.

Lappenbusch et al. disclose that said traffic information transmitted by said computer system is displayed graphically on said display; they also disclose that said traffic information is displayed together with a video image and a text message (see Figs. 4-8; col. 1 lines 28-33; and col. 9 lines 37-50).

At the time of the invention it would have been obvious to one skilled in the art to utilize Lappenbusch et al.'s graphical display with Fan et al.'s travel information system because it would provide a vehicle monitoring system that can be deployed on a world-wide basis at minimum cost since the cost of communication in the internet is inexpensive (see Lappenbusch et al. col. 11 lines 13-33).

In regard to claims 5 and 18, Fan et al. disclose that in addition to computing the corrected measured position, data processing station 18 searches a database 32 and associated area map storage 63 to process the operator's query received in the outbound data package. Database 32 maintains such travel-related information as maps, traffic situation in a particular area, positions of service stations and destinations of interest. Storage for

database 32 can be implemented using any mass storage media, such as hard disks, RAMs, ROMs, CD-ROMs, and magnetic tapes. For example, infrequently updated information (e.g., maps or destinations of interest) can be stored on CD-ROMs, while frequently updated information (e.g., current traffic conditions) can be stored on RAM. Database 32 is accessed by data processing unit 38 (see col. 4 lines 41-54). Fan et al. also disclose that said map information is displayed together with traffic information (see Figs. 12 and 13).

In regard to claims 9 and 10, Lappenbusch et al. disclose that at least one of said traffic monitors includes a video camera; at least said detector is a video camera (see Fig. 1).

At the time of the invention it would have been obvious to one skilled in the art to utilize Lappenbusch et al.'s camera with Fan et al.'s travel information system so that continuous images and live feeds conditions can be provided (see Lappenbusch et al. col.1 lines 15-18).

In regard to claims 15 and 21, Fan et al. disclose that said mobile user station has an input mechanism to select a mode in which traffic information graphically on said display (see Figs. 12 and 13).

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fan et al. (U.S. Patent No. 5,959,577) in view Akutsu et al. (U.S. Patent No. 5,987,374).

In regard to claim 6, although Fan et al. disclose GPS 8 to monitor vehicle movement, they do not specifically disclose that the GPS detect vehicular traffic speed.

Akutsu et al. disclose a vehicle traveling guidance system comprising:

a plurality of data providing devices installed on a road, wherein each of said data providing devices includes a detector for detecting speed and pass time of a vehicle passing over the vicinity thereof (see col. 8 lines 30-35).

At the time of the invention, it would have been obvious to one skilled in the art to utilize Akutsu et al.'s detector with Fan et al.'s travel information system so that congestion prediction with high accuracy can be achieved by considering both speed and the pass time of a vehicle (see Akutsu et al. col. 7 lines 25-29).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marthe Y. Marc-Coleman whose telephone number is (703) 305-4970. The examiner can normally be reached on Monday - Friday (5:30AM - 3:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Cuchlinski can be reached on (703) 308-3873. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

Application/Control Number: 09/550,476

Page 12

Art Unit: 3661

305-7687 for regular communications and (703) 308-8623 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1111.

Patent Examiner

MYM
Marthe Marc-Coleman

January 18, 2001



WILLIAM A. CUCHLINSKI, JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

Notice of References Cited	Application/Control No. 09/550,476	Applicant(s)/Patent Under Reexamination DEKOCK ET AL.	
	Examiner Marthe Y. Marc-Coleman	Art Unit 3661	Page 1 of 1

U.S. PATENT DOCUMENTS								
*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
<input checked="" type="checkbox"/>	A	6107940	Aug. 2000	Grimm	340	905	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	B	6151550	Nov. 2000	Nakatani	701	117	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C	6150981	Nov. 2000	Alewine et al.	340	995	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	D						<input type="checkbox"/>	<input type="checkbox"/>
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FOREIGN PATENT DOCUMENTS									
*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
								APS	OTHER
<input checked="" type="checkbox"/>	N	6107940				--	--	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	O							<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	P							<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	T							<input type="checkbox"/>	<input type="checkbox"/>

NON-PATENT DOCUMENTS									
*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)						DOCUMENT SOURCE **	
								APS	OTHER
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<input type="checkbox"/>	V							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	W							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X							<input type="checkbox"/>	<input type="checkbox"/>

*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)
 **APS encompasses any electronic search i.e. text, image, and Commercial Databases.
 U.S. Patent and Trademark Office
 PTO-892 (Rev. 03-98)

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 7116.004	SERIAL NO. <i>09/550,476</i>
	APPLICANT DeKock, et al.	
	FILING DATE April 14, 2000	GROUP <i>3661</i>

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MYM</i>	AA	5,594,432	1/14/97	Oliva et al.	<i>340</i>	<i>905</i>	
<i>MYM</i>	AB	5,982,298	11/9/99	Lappenbusch, et al.	<i>340</i>	<i>905</i>	
<i>MYM</i>	AC	5,539,645	7/23/96	Mandhyan, et al.	<i>701</i>	<i>119</i>	
<i>MYM</i>	AD	5,959,577	9/28/99	Fan, et al.	<i>342</i>	<i>357.13</i>	
<i>MYM</i>	AE	5,845,227	12/1/98	Peterson	<i>701</i>	<i>209</i>	
<i>MYM</i>	AF	5,812,069	9/22/98	Albrecht, et al.	<i>340</i>	<i>905</i>	
<i>MYM</i>	AG	5,987,377	11/16/99	Westerlage, et al.	<i>701</i>	<i>204</i>	
<i>MYM</i>	AH	5,987,374	11/16/99	Akutsu, et al.	<i>701</i>	<i>117</i>	
<i>MYM</i>	AI	5,673,039	9/30/97	Pietzsch, et al.	<i>340</i>	<i>905</i>	
<i>MYM</i>	AJ	5,774,827	6/30/98	Smith, Jr., et al.	<i>701</i>	<i>209</i>	
<i>MYM</i>	AK	5,497,148	3/5/96	Oliva	<i>340</i>	<i>905</i>	
<i>MYM</i>	AL	5,889,477	3/30/99	Fastenrath	<i>340</i>	<i>905</i>	
<i>MYM</i>	AM	5,926,113	7/20/99	Jones, et al.	<i>340</i>	<i>906</i>	
<i>MYM</i>	AN	5,402,117	3/28/95	Zijderhand	<i>340</i>	<i>905</i>	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ							
	AR							
	AS							

EXAMINER <i>Marthe J. Mari-Coleman</i>	DATE CONSIDERED <i>1/8/00</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

09/550476

NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 4/14/01 are:

- A. not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
B. checked, objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.
2. PHOTOGRAPHS. 37 CFR 1.84(b)
3. TYPE OF PAPER. 37 CFR 1.84(e)
4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
6. VIEWS. CFR 1.84(h)
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
9. SCALE. 37 CFR 1.84(k)
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
11. SHADING. 37 CFR 1.84(m)
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
13. LEAD LINES. 37 CFR 1.84(q)
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
16. CORRECTIONS. 37 CFR 1.84(w)
17. DESIGN DRAWINGS. 37 CFR 1.152

COMMENTS

REVIEWER Tang DATE 01/17/01 TELEPHONE NO. 703 205 688
ATTACHMENT TO PAPER NO. 3
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ATTORNEY DOCKET NO. KLR 7116.004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

#4/Edt 3
7/28/01

Applicant: DeKock Art Unit: 3661
Serial No.: 09/550,476 Examiner: Coleman, Marc M.
For: SYSTEM FOR PROVIDING TRAFFIC INFORMATION
Filed: April 14, 2000

PETITION FOR EXTENSION OF TIME

Chernoff, Vilhauer, McClung & Stenzel, LLP
1600 ODS Tower
601 S W Second Avenue
Portland, Oregon 97204-3157

July 19, 2001

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The applicant in the above-identified patent application hereby petitions the Commissioner of Patents and Trademarks for a three month extension of time in accordance with 37 CFR §1.136 to respond to the Office Action therein dated January 22, 2001. The applicant is a large entity and, in accordance with 37 CFR §1.17(a)(3), a fee in the amount of \$\$445 is enclosed.

The Commissioner is hereby authorized to charge any additional fee, or credit any overpayment, to Deposit Account No. 03-1550.

Respectfully submitted,

Kevin L. Russell
Of Attorneys for Applicant
Tele: (503) 227-5631

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445.00 00

ATTORNEY DOCKET NO. KLR 7116.004

CERTIFICATE OF MAILING

I hereby certify that this Petition for Extension of Time is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Fee Amendment, The Honorable Commissioner for Patents, Washington, D.C. 20231, on July 19, 2001.

Dated: _____

7/19/2001

Kevin L. Russell



ATTORNEY DOCKET NO. KLR 7116.004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION EXAMINING OPERATIONS

*5/Amold A
7/28/1
Bhore*

Applicant: DeKock Art Unit: 3661
Serial No.: 09/550,476 Examiner: Coleman, Marc M.
For: SYSTEM FOR PROVIDING TRAFFIC INFORMATION
Filed: April 14, 2000

AMENDMENT

July 19, 2001

To the Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action of January 22, 2001, please amend the above-identified patent application as follows:

In the Claims:

Please amend the claims as follows:

1. (Amended once) A system for providing traffic information to a plurality of mobile users connected to a network, comprising:
 - (a) a plurality of traffic monitors, each said traffic monitor comprising at least a detector and a transmitter, said detector providing a signal including data

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representative of vehicular movement and said transmitter transmitting said signals;

- (b) a receiver, remotely located from said transmitter, that receives said signals transmitted by said traffic monitors; and
- (c) a computer system interconnected with said receiver and said network;
- (d) a mobile user station connected to a global positioning system receiver, a display, and a communicating device; and
- (e) said computer system, in response to a request for traffic information from one of said mobile user stations, providing in response thereto to said one of said mobile user stations traffic information representative of said signals transmitted by said traffic monitors.

16. (Amended once) A system for providing traffic information to a plurality of mobile users connected to a network, comprising:

- (a) a plurality of vehicles, each said vehicle comprising at least a mobile user station, a global positioning system receiver and a transmitter, said mobile user station providing a signal including data representative of a location of said mobile user station and at least one of a speed of said vehicle and an identification code of said mobile user station and said transmitter transmitting said signal;
- (b) a receiver, remotely located from said transmitter that receives said signals transmitted by said user stations; and
- (c) a computer system interconnected with said receiver and said network, said computer system, in response to a request for information from one of said mobile user stations, providing in response thereto to said one of said

mobile user stations information representative of said signals transmitted by said mobile user stations.

REMARKS:

Fan et al., U.S. Patent No. 5,959,577, disclose a system for processing position and travel related information through a data processing station on a data network. In particular, Fan et al. teach the use of a GPS receiver to obtain a measured position fix of a mobile unit. The measured position fix is reported to the data processing station which associates the reported position with a map of the area. Typically, the measured position of the mobile unit is marked and identified by a marker on the map. The area map is then stored in the data processing station and made available for access by authorized monitor units or mobile units. An authorized monitor unit may request a specific area map. This permits shipping companies to monitor the location of their fleet and permits the mobile units to identify their current location in relation to a map, which is particularly suited for the application of navigation to a particular destination. In addition, Fan et al. teach that the measured position data transmitted from the mobile units may be used to calculate the speeds at which the vehicles travel. The collective speed data from the mobile units is then available for use by the monitor units, such as those at the shipping company, to route the vehicles away from traffic congestions and diversions. In this manner, the dispatcher at the shipping company, to which Fan et al. teaches the data is available to, may use the collective speed data to decide which vehicles to contact in order to reroute them.

With respect to claim 1, the Examiner interprets part (a) to incorporate a GPS receiver and its associated transmitter (mobile unit 1 or 3), as shown in FIG. 1 of Fan et al. Also, the Examiner interprets part (b) to include the GPS receiver of the mobile unit (mobile unit 1 or 3), as shown in FIG. 1 of Fan et al. Further, the Examiner interprets part (d) to include the mobile unit (mobile unit 1 or 3), as shown in FIG. 1 of Fan et al. In essence, the Examiner seems to be suggesting that parts (a), (b), and (d) of claim 1 are the GPS receiver of the mobile unit and its associated transmitter.

Claims 1 and 16 have been amended to clarify that, in the currently claimed embodiments, the transmitter and the receiver are remotely located from one another.

As previously discussed, Fan et al. is directed to a system that obtain collective speed data from the mobile units that is then available for use by the shipping company to route its vehicles away from traffic congestions and diversions. In this manner a dispatcher at a shipping company (e.g., an authorized monitor unit) can decide which vehicles to contact in order to reroute them. There is no suggestion nor teaching in Fan et al. that this collective speed data from the mobile units is made available to the mobile user stations. In contrast, this information is made available to a dispatcher, who based upon this data, makes determinations regarding whether vehicles need to be contacted in order to reroute them.

Claim 1 patentably distinguishes over Fan et al. by claiming that the computer system, in response to a request for traffic information from one of the mobile user stations, provides in response thereto to the mobile user station traffic information representative of the signals transmitted by the traffic monitors.

Claim 16 patentably distinguishes over Fan et al. by claiming that the computer system, in response to a request for information from one of the mobile user stations, provides in response thereto to one of the mobile user stations information representative of the signals transmitted by the mobile user stations.

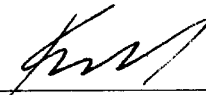
Claim 25 patentably distinguishes over Fan et al. by claiming that at least one of the mobile user stations providing a request to the computer system for information together with a respective geographic location of one of the mobile user stations, and in response thereto, the computer system providing to one of the mobile user stations information representative of selected portion of the map database and selected portions of the traffic information database based on the respective geographic location of one of the mobile user stations, as claimed.

The applicant would further note that the Examiner makes reference to “an authorized monitor unit”, which as taught by Fan et al. is a dispatcher at a shipping company. At no point does Fan et al. suggest that the authorized monitor unit for the speed data includes the mobile user stations. Further it is the dispatcher, who based on the collective speed data, then makes determinations regarding whether vehicles need to be contacted in order to reroute them.

ATTORNEY DOCKET NO. KLR 7146.019

The Examiner is respectfully requested to reconsider the claims, in light of the foregoing amendments and remarks, and to pass the claims to issue.

Respectfully submitted,



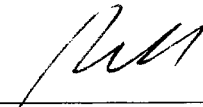
Kevin L. Russell
Reg. No. 38,292

Chernoff, Vilhauer, McClung, & Stenzel, LLP
1600 ODS Tower
601 SW Second Avenue
Portland, OR 97204
Tel. No. (503) 227-5631

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Fee Amendment, Commissioner for Patents, Washington, D.C. 20231 on July 18, 2001.

Dated: July 19, 2001



Kevin L. Russell

APPENDIX

505
C1
A1
~~1. (Amended once) A system for providing traffic information to a plurality of mobile users connected to a network, comprising:~~

- ~~(a) a plurality of traffic monitors, each said traffic monitor comprising at least a detector and a transmitter, said detector providing a signal including data representative of vehicular movement and said transmitter transmitting said signals;~~
- ~~(b) a receiver, remotely located from said transmitter, that receives said signals transmitted by said traffic monitors, and~~
- ~~(c) a computer system interconnected with said receiver and said network;~~
- ~~(d) a mobile user station connected to a global positioning system receiver, a display, and a communicating device; and~~
- ~~(e) said computer system, in response to a request for traffic information from one of said mobile user stations, providing in response thereto to said one of said mobile user stations traffic information representative of said signals transmitted by said traffic monitors.~~

505
C2
A2
~~10. (Amended once) A system for providing traffic information to a plurality of mobile users connected to a network, comprising:~~

- ~~(a) a plurality of vehicles, each said vehicle comprising at least a mobile user station, a global positioning system receiver and a transmitter, said mobile user station providing a signal including data representative of a location of said mobile user station and at least one of a speed of said vehicle and an identification code of said mobile user station and said transmitter transmitting said signal;~~
- ~~(b) a receiver, remotely located from said transmitter that receives said signals transmitted by said user stations; and~~
- ~~(c) a computer system interconnected with said receiver and said network, said computer system, in response to a request for information from one of said mobile user stations, providing in response thereto to said one of said mobile user stations information representative of said signals transmitted by said mobile user stations.~~

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✓ 3661 \$

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- * WILLIAM O. GENY
- * NANCY J. MORIARTY
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*REGISTERED PATENT ATTORNEY

DAVID S. FINE
SENIOR LAW CLERK

DANIEL P. CHERNOFF
(1935-1995)

July 19, 2001

Our File: 7116.004

Box FEE AMENDMENT
Commissioner for Patents
Washington, D.C. 20231

Re: United States Application Serial No.09/550,476
Filed: April 14, 2000
For: SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Dear Sir:

Enclosed are the following documents regarding the above-referenced patent application:

1. Transmittal letter in duplicate;
2. Amendment;
3. Petition for a three month extension of time;
4. check in the amount of \$445 for payment of extension fee; and
5. an acknowledgment postcard.

The Commissioner is hereby authorized to charge payment of any additional fees or credit any overpayment to Deposit Account No. 03-1550. A duplicate copy of this letter is enclosed.

Please address all communications regarding the above-identified patent to Chernoff, Vilhauer, McClung & Stenzel, LLP at the then current address for payor number 000152.

Respectfully submitted,

Kevin L. Russell
Reg. No. 38,292
Attorney for Applicant

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JUL 27 2001

3600 MAIL ROOM

KLR:djs
Enclosures

LAW OFFICES
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A000211



FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete If Known

Application Number	09/550,476
Filing Date	April 14, 2000
First Named Inventor	DeKock
Examiner Name	Coleman, Marc M.
Group/ Art Unit	3661
Attorney Docket No.	KLR 7116.004

TOTAL AMOUNT OF PAYMENT \$445

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																															
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SUBMITTED BY		Complete (if applicable)	
Name (print type)	Kevin L. Russell	Registration No.	38,292
Signature		Telephone	(503) 227-5631
		Date	July 19, 2001



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

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IF

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/550,476	04/14/00	DEKOCK	B BWD-7118.004

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PORTLAND OR 97204

PM82/0824

EXAMINER

MARC COLEMAN, M
ART UNIT PAPER NUMBER

3661
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 09/550,476	Applicant(s) DEKOCK ET AL.	
Examiner Marthe Y. Marc-Coleman	Art Unit 3661	

-- 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) 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 the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- 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 24 July 2001.
- 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) 1-38 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 25-38 is/are allowed.
- 6) Claim(s) 1-4, 6, 7 and 9-24 is/are rejected.
- 7) Claim(s) 5 and 8 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 _____ 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).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) 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.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

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) Paper No(s) _____
- 4) Interview Summary (PTO-413) Paper No(s) _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: