

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 selections 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.

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

SUB
C1

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.

A1

SUB
C2

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.

A2

LAW OFFICES
CHERNOFF, VILHAUER, MCCLUNG & STENZEL, LLP

JACOB E. VILHAUER, JR.
DENNIS E. STENZEL
CHARLES D. MCCLUNG
DONALD B. HASLETT
J. PETER STAPLES
WILLIAM O. GENY
NANCY J. MCGIARTY
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(1935-1995)



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1600 ODS TOWER
601 S.W. SECOND AVENUE
PORTLAND, OREGON 97204-3157
TELEPHONE: (503) 227-5631
FAX: (503) 228-4373

#5 3661 \$
TIM A. LONG
KURT ROHLFS
BRENNIA K. LEGAARD

REGISTERED PATENT ATTORNEY

DAVID S. FINE
SENIOR LAW CLERK

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

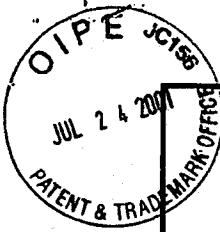
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Enclosures

Exhibit E
Page 214 of 311



FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete If Known

TOTAL AMOUNT OF PAYMENT	\$445	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 7118.004

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: Chemoff 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"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. 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SUBMITTED BY		<i>Complete (if applicable)</i>	
Name (print type)	Kevin L. Russell	Registration No.	38,292
Signature		Telephone	(503) 227-5631
		Date	July 19, 2001

LAW OFFICES
CHERNOFF, VILHAUER, MCCLUNG & STENZEL, LLP

* JACOB E. VILHAUER, JR.
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1600 ODS TOWER
601 S.W. SECOND AVENUE
PORTLAND, OREGON 97204-3157
TELEPHONE: (503) 227-5631
FAX: (503) 228-4373

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* REGISTERED PATENT ATTORNEY

DAVID S. FINE
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DANIEL P. CHERNOFF
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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

RECEIVED

JUL 27 2001

TO 3600 MAIL ROOM

KLR:djs
Enclosures

Exhibit E
Page 216 of 311



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)

1. The Commissioner is hereby authorized to charge the indicated fees and credit any over payments to:

Deposit Account Number: 03-1550

Deposit Account Name: Chernoff Vilhauer McClung & Stenzel

Charge any additional fee required under 37 CFR 1.16 & 1.17

2. Payment Enclosed

Check Credit Card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					\$0

2. EXTRA CLAIM FEES

	Extra Claims		Fee from below		Fee Paid
Total Claims	-20**	x	0	=	0
Indep. Claims	-3**	x	0	=	0
Multiple Dependent		x	0	=	0

**or number of previously paid, if greater. For reissues, see below.*

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	**Reissue independent claims over original patent	
110	18	210	9	*Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					\$0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

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	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	\$445
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	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	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	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	710	246	355	Filing a submission after final rejection (37 C.F.R. 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 C.F.R. 1.129(b))	
169	900	169	900	Request for Expedited Examination of a Design Application	
Other (specify)				Advance Order of three copies of the patent	
SUBTOTAL (3)					\$445

SUBMITTED BY		<i>Complete (if applicable)</i>	
Name (print type)	Registration No.	Telephone	(503) 227-5631
Kevin L. Russell	38,292		
Signature			Date
			July 19, 2001



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

07/26/2001 WABRHM1 00000027 09550476

01 FC:217

445.00 OP

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

WEST

Search Results -

Term	Documents
SPEED.USPT.	717306
SPEEDS.USPT.	178945
(1 AND SPEED).USPT.	1

Database:
 US Patents Full-Text Database ▲
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins ▼

Search History

Today's Date: 8/22/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	11 and speed	1	<u>L11</u>
USPT	11 and (id or identi\$9)	0	<u>L10</u>
USPT	11 and monitor	0	<u>L9</u>
USPT	11 and display\$3	0	<u>L8</u>
USPT	15 and display\$3	0	<u>L7</u>
USPT	15 and display	0	<u>L6</u>
USPT	11 and (global position\$3 system or satellite\$1 or gps)	1	<u>L5</u>
USPT	11 and gps	1	<u>L4</u>
USPT	gps	12815	<u>L3</u>
USPT	11 and receiv\$3	1	<u>L2</u>
USPT	5812069.pn.	1	<u>L1</u>

Exhibit E
Page 220 of 311



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

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

TF

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

09/550,476 04/14/00 DEKOCK

B BWD-7118.004

BRUCE W DEKOCK
1600 ODS TOWER
801 S W SECOND AVENUE
PORTLAND OR 97204

PM82/0824

EXAMINER

MARC COLEMAN, M	
ART UNIT	PAPER NUMBER

3661
DATE MAILED:

6
08/24/01

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 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:

DETAILED ACTION

1. This office action is responsive to applicant's amendment filed on 7/24/01.

Claim Rejections - 35 USC § 103

2. 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.

3. Claims 1, 6, 7, 8, 11-13, 16, 19, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albrecht et al. (U.S. Patent No. 5,812,069) in view of Fan et al. (U.S. Patent No. 5,959,577).

In regard to claim 1, Albrecht discloses:

- A plurality of traffic monitors **20**, each said traffic monitor comprises at least a detector and a transmitter (see col. 4 lines 87-40), said detector providing a signal including data representative of vehicular movement and said transmitter transmitting said signals (see col. 4 lines 37-40 and Fig.);
- A receiver **31**, remotely located from said transmitter, that receives said signals transmitted by said traffic monitors (see Fig and col. 4 lines 40-44);
- a computer system interconnected with said receiver and said network (see col. 4 lines 43-45).

Although, Albrecht discloses a computer system, a mobile user station, a GPS receiver, he fails to disclose the connection among them with a display

using a communicating device. Furthermore, he fails to disclose that the computer system provide response to the mobile user station in response to request made by said mobile user stations.

Fan discloses:

- 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;
- a computer system provides response to the mobile user stations in response to request made by said mobile user stations (see abstract and col. 1 line 64-col. 2 line 24).

At the time of the invention, it would have been obvious to one of the ordinary skill in the art to include Fan's travel relating information network with Albrecht's traffic flows forecasting method so that vehicle movement can be monitored and travel-related information can be transmitted to the vehicles (see Fan col. 1 lines 10-12).

In regard to claim 16, Albrecht discloses:

- a plurality of vehicles **11**, each vehicle comprising at least a mobile user station a global positioning system receiver and a transmitter (see col. 4 lines 36-37 and col. 4 lines 59-63) 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 (see col. 4 lines 36-37 and col. 4 lines 59-63).

- a receiver 31, remotely located from said transmitter, that receives said signals transmitted by said traffic monitors (see Fig and col. 4 lines 40-44);
- a computer system interconnected with said receiver and said network (see col. 4 lines 43-45).

Although, Albrecht discloses a computer system, a mobile user station, a GPS receiver, he fails to disclose that the computer system provide response to the mobile user station in response to request made by said mobile user stations.

Fan discloses:

- a computer system provides response to the mobile user stations in response to request made by said mobile user stations (see abstract and col. 1 line 64-col. 2 line 24).

At the time of the invention, it would have been obvious to one of the ordinary skill in the art to include Fan's travel relating information network with Albrecht's traffic flows forecasting method so that vehicle movement can be monitored and travel-related information can be transmitted to the vehicles (see Fan col. 1 lines 10-12).

In regard to claim 6, Albrecht discloses that said traffic detector detects vehicular speed (see col. 3 lines 66-67).

In regard to claims 7 and 8, Fan discloses 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 claim 11, Fan discloses that the mobile unit provides 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 discloses 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 and 24, Fan discloses 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).

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 2-4, 9, 10, 14, 15, 17 and 20-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albrecht et al. (U.S. Patent No. 5,812,069) in view of Fan et al. (U.S. Patent No. 5,959,577) as applied to claims 1 and 16 above and further in view of Lappenbusch et al. (U.S. Patent No. 5,982,298).

In regard to claims 2-4, 14, 17, 20, 22, and 23, although Fan disclose a display (see Figs. 12 and 13), Albrecht and Fan fail to disclose that said traffic information transmitted by said computer system is displayed graphically on said display. They also fail to disclose that said traffic information is displayed together with a video image and a text message.

Lappenbusch discloses that said traffic information transmitted by said computer system is displayed graphically on said display; In addition, Lappenbusch discloses 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's graphical display with the combined traffic information system of Abrecht and Fan 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 col.11 lines 13-33).

In regard to claims 9 and 10, Lappenbusch discloses 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's camera with the combined travel information system of Albrecht and Fan so that continuous images and live feeds conditions can be provided (see Lappenbusch col.1 lines 15-18).

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

Allowable Subject Matter

6. Claims 5 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

In regard to claims 5 and 18, none of the above cited references, either singularly or in combination, teach or fairly suggest:

"said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information."

7. Claims 25-38 allowable because none of the above cited references, either singularly or in combination, teach or fairly suggest:

"at least one of said mobile user stations providing a request to said computer system for information together with a respective location 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".

Response to Arguments

8. Applicant's arguments filed on 7/24/01 have been considered but are moot in view of the new ground(s) of rejection based on Albrecht et al. (U.S. Patent No. 5,812,069).

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marthe Y. Marc-Coleman whose telephone number is

Art Unit: 3661

(703) 305-4970. The examiner can normally be reached on Monday - Thursday

(9:30AM - 8:00PM).


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) 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

August 22, 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 Number	Date	Name	Classification	
		Country Code-Number-Kind Code	MM-YYYY			
	A	US-5812069	09-1998	Albrecht et al.	340	905
	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	Date	Country	Name	Classification	
		Country Code-Number-Kind Code	MM-YYYY				
	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.



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

Applicant: DeKock

Group Art Unit: 3661

Serial No.: 09/550,476

Examiner: Coleman, Marc M.

Filed : SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Title : April 14, 2000

RECEIVED

FEB 06 2002

GROUP 3600

AMENDMENT

1600 ODS Tower
601 SW Second Avenue
Portland, Oregon 97204-3157
November 16, 2001

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated August 24, 2001, please amend the application as follows:

In The Claims:

Please amend the claim 1 as follows:

1.(Amended twice) 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.
 - (f) wherein said traffic information transmitted by said computer system is displayed graphically on said display; and
 - (g) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information.

Please amend claim 16 as follows:

16. (Amended twice) 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 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.
 - (d) wherein said vehicle further comprises a display and said information transmitted by said computer system is displayed graphically on said display; and
 - (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.

Please cancel claims 2, 5, 17 and 18 without prejudice.

REMARKS

In the Office Action mailed August 24, 2001, the Examiner objected to claims 5 and 18, but indicated that such claims would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims.

Claim 1 has been amended to include the limitations of claims 2 and 5, and claims 2 and 5 have been cancelled. Accordingly, claim 1 is submitted to be allowable.

Claims 3-4, and 6-15 depend from claim 1, and hence are also in condition for allowance.

Likewise, claim 16 has been amended to include the limitation of claims 17 and

18, and claims 17 and 18 have been cancelled. Claim 16 should therefore be allowable.

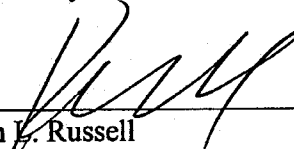
Claims 19-24 depend from claim 16, and are also in condition for allowance.

The Examiner also indicated that claims 25-38 were allowed.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

In view of the foregoing amendments and remarks, applicant submits that all of the claims are now in condition for allowance, and respectfully requests the Examiner to pass the claims to issue.

Respectfully submitted,

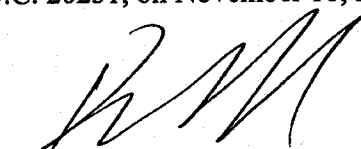


Kevin L. Russell
Reg. No. 38,292
Of Attorneys for Applicant
Tel: (503) 227-5631

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 Non-Fee Amendment, Assistant Commissioner for Patents, Washington, D.C. 20231, on November 16, 2001.

Dated: November 16, 2001



Kevin L. Russell

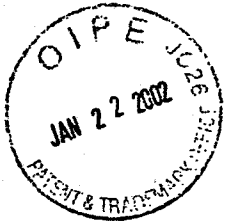
VERSION WITH MARKINGS TO SHOW CHANGES MADE

1.(Amended twice) 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[.]
- (f) wherein said traffic information transmitted by said computer system is displayed graphically on said display; and
- (g) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information.

16. (Amended twice) 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 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[.]
- (d) wherein said vehicle further comprises a display and said information transmitted by said computer system is displayed graphically on said display; and
- (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.



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

Applicant: DeKock

Group Art Unit: 3661

Serial No.: 09/550,476

Examiner: Coleman, Marc M.

Filed : SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Title : April 14, 2000

*7/12/02
P.M.E.
3/12/02
Holas*

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FEB 06 2002

GROUP 3600

AMENDMENT

1600 ODS Tower
601 SW Second Avenue
Portland, Oregon 97204-3157
November 16, 2001

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated August 24, 2001, please amend the

application as follows:

In The Claims:

Please amend the claim 1 as follows:

1.(Amended twice) 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

*Amend.
not entered
MYM*

- 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.
 - (f) wherein said traffic information transmitted by said computer system is displayed graphically on said display; and
 - (g) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information.

Please amend claim 16 as follows:

16. (Amended twice) 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 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.
 - (d) wherein said vehicle further comprises a display and said information transmitted by said computer system is displayed graphically on said display; and
 - (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.

Please cancel claims 2, 5, 17 and 18 without prejudice.

REMARKS

In the Office Action mailed August 24, 2001, the Examiner objected to claims 5 and 18, but indicated that such claims would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims.

Claim 1 has been amended to include the limitations of claims 2 and 5, and claims 2 and 5 have been cancelled. Accordingly, claim 1 is submitted to be allowable.

Claims 3-4, and 6-15 depend from claim 1, and hence are also in condition for allowance.

Likewise, claim 16 has been amended to include the limitation of claims 17 and

18, and claims 17 and 18 have been cancelled. Claim 16 should therefore be allowable.

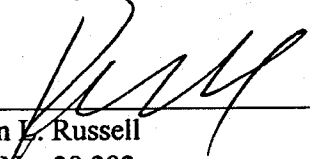
Claims 19-24 depend from claim 16, and are also in condition for allowance.

The Examiner also indicated that claims 25-38 were allowed.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

In view of the foregoing amendments and remarks, applicant submits that all of the claims are now in condition for allowance, and respectfully requests the Examiner to pass the claims to issue.

Respectfully submitted,



Kevin L. Russell
Reg. No. 38,292
Of Attorneys for Applicant
Tel: (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 Non-Fee Amendment, Assistant Commissioner for Patents, Washington, D.C. 20231, on November 16, 2001.

Dated: November 16, 2001



Kevin L. Russell

VERSION WITH MARKINGS TO SHOW CHANGES MADE

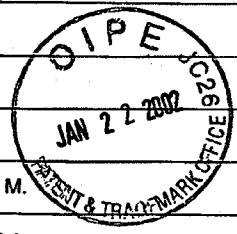
1.(Amended twice) A system for providing traffic information to a plurality of mobile users connected to a network, comprising:

- (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[.]
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- (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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- (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	09 0,476	
	Filing Date	April 14, 2000	
	First Named Inventor	DeKock	
	Group Art Unit	3661	
	Examiner Name	Coleman, Marc M.	
Total Number of Pages in this Submission	7	Attorney Docket Number	KLR:7116.004



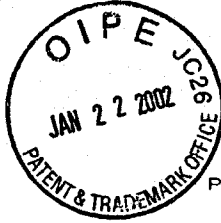
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee transmittal <input type="checkbox"/> Fee attached form <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> After Final/ Response <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing Related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying 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"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosures (identify below) 1. Transmittal Letter 2. Acknowledgment Postcard
Remarks:		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED FEB 06 2002 GROUP 3600 </div>

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Kevin L. Russell
Signature	
Date	November 16, 2001

CERTIFICATE OF MAILING			
I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., 20231 <input checked="" type="checkbox"/> with sufficient postage as first class mail <input type="checkbox"/> as "Express Mail Post Office to Addressee" - mailing label no. _____			
Type or print name	Kevin L. Russell		
Signature		Date	November 16, 2001

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PORTLAND, OREGON 97204-3157
TELEPHONE: (503) 227-5631
FAX: (503) 228-4373

* TIM A. LONG
KURT ROHLFS
BRENNAN K. LEGAARD

* REGISTERED PATENT ATTORNEY

DAVID S. FINE
SENIOR LAW CLERK

DANIEL P. CHERNOFF
(1935-1995)

November 16, 2001

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FEB 06 2002

Our File No. 7116.004

GROUP 3600

Box NO FEE AMENDMENT
Commissioner for Patents
Washington, D.C. 20231

Re: United States Application Serial No.09/550,476
Filed: April 4, 2000
For: SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Dear Sir:

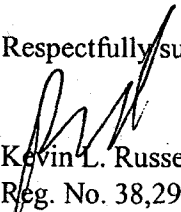
Enclosed are the following documents regarding the above-referenced patent application:

1. Transmittal letter in duplicate;
2. Amendment; and
3. 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.

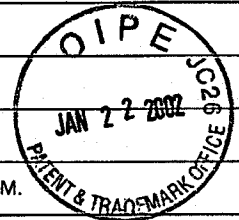
Respectfully submitted,


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

KLR:fpv
Enclosures

Exhibit E
Page 247 of 311

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/476	
	Filing Date	April 14, 2000	
	First Named Inventor	DeKock	
	Group Art Unit	3661	
	Examiner Name	Coleman, Marc M.	
Total Number of Pages in this Submission	7	Attorney Docket Number	KLR:7116.004

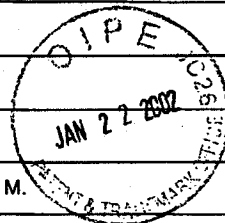


ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee transmittal <input type="checkbox"/> Fee attached form <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> After Final/ Response <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing Related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying 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"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosures (identify below) 1. Transmittal Letter 2. Acknowledgment Postcard
Remarks: RECEIVED FEB 06 2002 GROUP 3600		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Kevin L. Russell
Signature	
Date	November 16, 2001

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Type or print name	Kevin L. Russell		
Signature		Date	November 16, 2001

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	476
	Filing Date	April 14, 2000
	First Named Inventor	DeKock
	Group Art Unit	3661
	Examiner Name	Coleman, Marc M.
Total Number of Pages in this Submission	7	Attorney Docket Number KLR:7116.004



ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Kevin L. Russell
Signature	
Date	November 16, 2001

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Type or print name	Kevin L. Russell		
Signature		Date	November 16, 2001

Gp/3661

LAW OFFICES
CHERNOFF, VILHAUER, McCLUNG & STENZEL, LLP

- * JACOB E. VILHAUER, JR.
- * DENNIS E. STENZEL
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* REGISTERED PATENT ATTORNEY

DAVID S. FINE
SENIOR LAW CLERK

DANIEL P. CHERNOFF
(1935-1995)

November 16, 2000 **RECEIVED**

FEB 06 2002 Our File No. 7116.004

GROUP 3600

Box NO FEE AMENDMENT
Commissioner for Patents
Washington, D.C. 20231

Re: United States Application Serial No.09/550,476
Filed: April 4, 2000
For: SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Dear Sir:

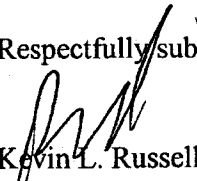
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Respectfully submitted,


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

KLR:fpv
Enclosures

Official

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

FAX RECEIVED

FEB 14 2002

Applicant: DeKock

Group Art Unit: 3661

Serial No.: 09/550,476

Examiner: Coleman, Marc M.

GROUP 3600

Filed : SYSTEM FOR PROVIDING TRAFFIC INFORMATION

Amdt C # 8
G. Burns
02/19/02

Title : April 14, 2000

AMENDMENT

1600 ODS Tower
601 SW Second Avenue
Portland, Oregon 97204-3157
February 14, 2002

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated August 24, 2001, please amend the application as follows:

In The Claims:

Please amend the claim 1 as follows:

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

C1

(a) a plurality of traffic monitors, each said traffic monitor comprising at least a

52

C

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

C1
cancel.

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.
- (f) wherein said traffic information transmitted by said computer system is displayed graphically on said display; and
- (g) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information.

² A.(amended once) The system of claim 1 wherein said traffic information is displayed together with a video image.

C2

³ A.(amended once) The system of claim 1 wherein said traffic information is displayed with a text message.

[

Please amend claim 16 as follows:

C3

¹⁴ 16. (Amended twice) A system for providing traffic information to a plurality of

53

C

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

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 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.
- (d) wherein said vehicle further comprises a display and said information transmitted by said computer system is displayed graphically on said display; and
- (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.

C3
concl.

¹⁷20.(amended once) The system of claim ¹⁴16 wherein the location of said one of said mobile user stations is displayed graphically on said display together with said traffic information provided by said computer system.

C4

²⁰21.(amended once) The system of claim ¹⁴16 wherein said mobile user station has an input mechanism to select different modes of displaying traffic information on said display.

✓ / / / / /
Please cancel claims 2, 5, 17 and 18 without prejudice.

[

54

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

REMARKS

In the Office Action mailed August 24,2001, the Examiner objected to claims 5 and 18, but indicated that such claims would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims.

Claim 1 has been amended to include the limitations of claims 2 and 5, and claims 2 and 5 have been cancelled. Accordingly, claim 1 is submitted to be allowable.

Claims 3-4, and 6-15 depend from claim 1, and hence are also in condition for allowance.

Likewise, claim 16 has been amended to include the limitation of claims 17 and 18, and claims 17 and 18 have been cancelled. Claim 16 should therefore be allowable.

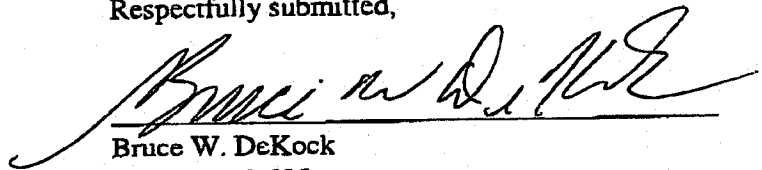
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The Examiner also indicated that claims 25-38 were allowed.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

In view of the foregoing amendments and remarks, applicant submits that all of the claims are now in condition for allowance, and respectfully requests the Examiner to pass the claims to issue.

Respectfully submitted,



Bruce W. DeKock
Reg. No. 40,585
Of Attorneys for Applicant
Tel: (503) 227-5631

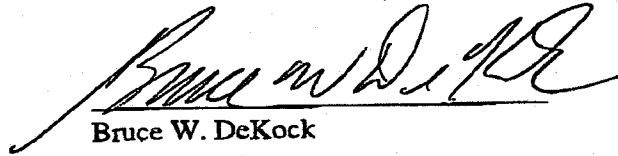
Application No. 09/550,476

Attorney Docket No. KLR 7146.019

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being faxed to Examiner Marthe Marc-Coleman at (703) 305-7687 on February 14, 2002.

Dated: February 14, 2002


Bruce W. DeKock

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

VERSION WITH MARKINGS TO SHOW CHANGES MADE

1.(Amended twice) 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[.]
- (f) wherein said traffic information transmitted by said computer system is displayed graphically on said display; and
- (g) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits map information representative of a portion of said map database, and said map information representative of said map database is displayed graphically together with said traffic information.

3. The system of claim [2] 1 wherein said traffic information is displayed together with a video image.

4. The system of claim [2] 1 wherein said traffic information is displayed with

Application No. 09/550,476

Attorney Docket No. KLR 7146.019

a text message.

16. (Amended twice) 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 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[.]
- (d) wherein said vehicle further comprises a display and said information transmitted by said computer system is displayed graphically on said display; and
- (e) wherein said computer system has a map database, and said computer system, in response to said request for information, transmits information representative of a portion of said map database, and said information representative of said map database is displayed graphically.

20. The system of claim [17] 16 wherein the location of said one of said mobile user stations is displayed graphically on said display together with said traffic information provided by said computer system.

21. The system of claim [17] 16 wherein said mobile user station has an input mechanism to select different modes of displaying traffic information on said display.

3A08

#8

CHERNOFF, VILHAUER, McCLUNG & STENZEL

1600 ODS Tower
601 SW 2nd Avenue
Portland, Oregon 97204-3157

Telephone (503) 227-5631
Facsimile (503) 228-4373

Official

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GROUP 3600

FACSIMILE COVER SHEET

TO: Marthe Marc-Coleman

FAX NO.: (703) 305-7687

FROM: Bruce W. DeKock

DATE: February 14, 2002

No. of pages
following this sheet:

7

This responds to the Examiner's telephone call to Kevin Russell requesting a revised amendment that corrects the numbering of the dependent claims. Please call Bruce DeKock if there are any questions or if additional material is needed.

*Please
enter Amend.
as paper #8
MYM
2/19/02*

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C



#10

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 02/20/2002
Bruce W DeKock
1600 ODS Tower
801 S W Second Avenue
Portland, OR 97204

EXAMINER	
MARC COLEMAN, MARTHE Y	
ART UNIT	CLASS-SUBCLASS
3661	701-117000

DATE MAILED: 02/20/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/550,476	04/14/2000	Bruce W. DeKock	BWD-7118.004	8794

TITLE OF INVENTION: SYSTEM FOR PROVIDING TRAFFIC INFORMATION

TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
34	nonprovisional	YES	\$640	\$0	\$640	05/20/2002

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 REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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 changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or
 - B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

- 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 the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
 - Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. 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.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box 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.

Notice of Allowability

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

-- 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 2/14/02.
- 2. The allowed claim(s) is/are 1,3,4,6-16 and 19-38.
- 3. The drawings filed on _____ are accepted by the Examiner.
- 4. 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: _____.
- 5. 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.
- 6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

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.**


- 7. 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.
- 8. CORRECTED DRAWINGS 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. 3.
 - (b) including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

- 9. 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)

- 1 Notice of References Cited (PTO-892)
- 3 Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 5 Information Disclosure Statements (PTO-1449), Paper No. _____
- 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 2 Notice of Informal Patent Application (PTO-152)
- 4 Interview Summary (PTO-413), Paper No. _____
- 6 Examiner's Amendment/Comment
- 8 Examiner's Statement of Reasons for Allowance
- 9 Other


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