

Nicolas Vargas

Search history

Search 1: PN=(US2010/111365) (Results 1)
Search 2: FT=(vehicle* and camera and microwave and gps and compass) and IC=(G06F19/00) (Results 75)
Search 3: FT=(vehicle* and camera and microwave and gps and compass and distance) and IC=(G06F19/00) (Results 62)
Search 4: 3 and vehicle* (Results 32)
Search 5: 4 and gps (Results 21)
Search 6: 5 and compass* (Results 6)

1) Family number: 28689793 (US2002198632A)

© PatBase

Title: METHOD AND ARRANGEMENT FOR COMMUNICATING BETWEEN **VEHICLES**

Abstract: Source: US2002198632A Method for transferring information between a **vehicle** and a transmitter in which a unique pseudorandom noise signal is transmitted by the transmitter in a carrier-less fashion composed of frequencies within a pre-selected band. Information is encoded in the noise signal relating to an identification of the transmitter and a position of the transmitter and the **vehicle** is provided with a device for extracting the information from the noise signal. The code to use for encoding the noise signal may be selected based on the position of the transmitter so that analysis of the code, or a portion thereof, provides an indication of the position of the transmitter. Information about accidents, weather conditions, road conditions, map data and traffic control devices and about errors in a **GPS** signal can also be encoded in the noise signals. The transmitter may be at a fixed location or in another **vehicle** to thereby enable **vehicle-to-vehicle** communications for the purposes of collision avoidance, intelligent highway applications and the like.

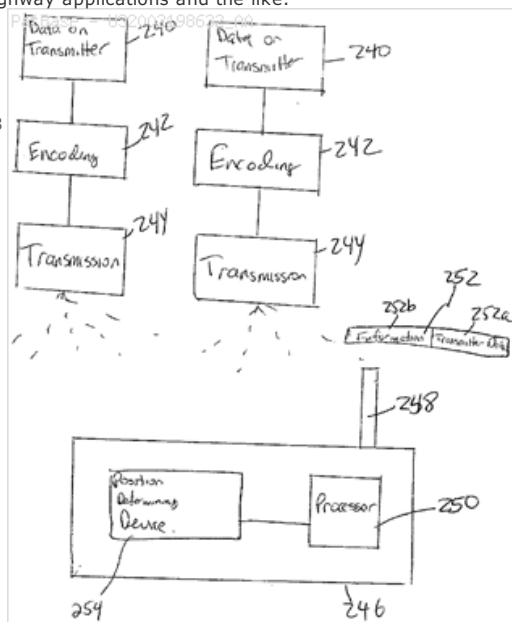
Classifications:

International (IPC 8-9): B60N2/00 B60N2/28 B60Q1/00 B60R19/20 B60R19/42 B60R21/01 B60R21/16 B60R21/233 B60R21/33 B60R22/26 B60R22/32 B60W30/00 B60W40/06 G01C21/00 G01C21/16 G01C21/20 G01C21/26 G01C21/28 G01C23/00 G01S1/00 G01S13/00 G01S13/88 G01S13/93 G01S15/87 G01S15/88 G01S17/02 G01S17/88 G01S17/89 G01S19/07 G01S19/41 G01S19/48 G01S5/14 G01S7/41 G01S7/48 G01W1/00 G01W1/02 G05D1/02 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06Q50/00 G08G1/00 G08G1/01 G08G1/09 G08G1/0962 G08G1/0965 G08G1/123 G08G1/133 G08G1/137 G08G1/16 G08G5/04 (Advanced/Invention); B60R21/00 B60R21/0132 B60R21/0134 B60R21/26 G01S19/48 G01S7/487 G01S7/539 (Advanced/Non-invention); B60N2/26 B60Q1/00 B60R21/16 B60W30/00 B60W40/06 G01C21/00 G01C21/20 G01C21/26 G01C21/28 G01S1/00 G01S13/00 G01S17/00 G01S19/00 G01S5/14 G01W1/00 G05D1/02 G06Q50/00 G08G1/01 G08G1/09 G08G1/0962 G08G1/123 G08G1/16 G08G5/00 (Core/Invention); B60W30/08 (Core/Non-invention)

International (IPC 1-7): B60Q1/00 B60R11/00 B60R11/04 G01C11/02 G01C21/26 G01C21/28 G01C21/30 G01C23/00 G01C7/04 G01S3/28 G01S5/12 G01S5/14 G05D1/02 G06F165/00 G06F17/00 G06F19/00 G06K9/62 G07C5/08 G08G1/0969 G08G1/16 G09B29/00

CPC: G01C21/12 G01C21/20 B60N2002/0272 B60N2/0232 B60N2/0248 B60N2/0276 B60N2/4852 B60N2/4885 B60N2002/0268 B60R1/088 B60R11/0241 B60R16/037 B60R21/21656 B60R21/276 B60R22/20 B60R25/04 B60R25/1004 B60R25/102 B60R25/252 B60R25/255 B60R25/257 B60R25/305 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/0048 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/4825 B60R2325/304 E05Y2900/55 G01S13/04 G01S15/04 G01S15/06 G06K9/00369 G06K9/00832 G10K2210/1282 G10K2210/3219 G01S13/865 G01S13/867 B60W30/09 B60W40/076 B60W50/00 B60W50/14 B60W2050/0071 G01S13/751 G01S17/936 G01S19/47 G01S2013/9332 G01S2013/9353 G01S2013/9357 G01S2013/9367 G01S2013/9382 G01S2205/006 B60W10/184 B60W30/095 B60W2050/046 B60W2050/048 B60W2420/40 B60W2420/403 B60W2420/52 B60W2550/12 B60W2550/20 B60W2550/306 G01C21/26 G01C21/30 G01S5/0072 G01S2205/002 G06F17/30241 G01S2007/4975 G01C21/34 G01C21/3691 G01S17/93 G01W1/00 G01S2013/9321 G01S2013/9325 G01S2013/9375 G01S2013/9378 B60N2/002 B60N2/28 B60N2/2806 B60R19/205 B60R19/42 B60R21/23138 B60R21/233 B60R22/26 B60R22/321 B60R2021/0006 B60R2021/23332 B60R2021/26058 B60W30/08 G01S7/417 G01S7/48 G01S7/4802 G01S7/487 G01S7/539 G01S13/88 G01S15/87 G01S15/88 G01S17/88 G01S19/51 G08G1/133 G01C21/3697 G01S19/14 B60T2201/022 G01S19/07 G01S19/48 B60N2/2863 B60W10/06 B60W10/18 B60W10/20 B60W30/02 B60W30/04 B60W30/14 B60W30/16 B60W30/18154 B60W30/18172 B60W40/06 B60W40/072 B60W40/076 B60W50/00 B60W50/14 B60W2050/0071 B60W2050/0073 B60W2050/0078 B60W2550/402 G01S17/023 G01S17/89 G01S19/17 G01S19/41 G01S19/42 G01S19/50 G01S2013/9339 G01S2013/9342 G01S2013/9346 G01S2013/935 G01S2013/936 G05D1/0221 G05D1/0225 G05D1/0257 G05D1/027 G05D1/0274 G05D1/0278 G05D2201/0213 G08G1/161 G08G1/163 G08G1/164 G01C21/28 B60R21/01516 B60R21/01534 B60R21/01536 B60R21/01538 B60R21/01542 B60R21/01548 B60R21/01552 B60R21/01554 B60R21/01556 G06K9/00805 B60R21/0152 B60R21/0153 B60R21/01544 E05F15/43 E05F15/431 E05F2015/433 G08G1/165 G08G1/166 G08G1/167 G05D1/0234 G05D1/0246 G08G1/096783 B60R21/16 B60R25/25 B60R21/0134 B60R21/013 B60R21/0132 G01S17/107 G01S13/931

European: B60N2/00C B60N2/02B4 B60N2/02B6B B60N2/02B6W B60N2/28 B60N2/28B2 B60N2/28P4 B60N2/48C3C B60N2/48W B60R1/08G5 B60R11/02G B60R16/037 B60R19/20C B60R19/42 B60R21/013 B60R21/015 B60R21/01C B60R21/16B2B B60R21/16B2L B60R21/231L B60R21/233 B60R22/20 B60R22/26 B60R22/32B B60R25/04 B60R25/102 B60R25/10C B60R25/25 B60R25/25B B60R25/25D B60R25/25F B60R25/30D B60W10/06 B60W10/18 B60W10/20 B60W30/04 B60W30/08 B60W30/095 B60W30/16 B60W30/18R11 B60W40/06 B60W50/00 E05F15/00B6B E05F15/00B6B2 G01C21/12 G01C21/20 G01C21/26 G01C21/28 G01C21/30 G01C21/34 G01C21/36T G01C21/36W G01S13/86 G01S13/88 G01S13/93C G01S15/87 G01S15/88 G01S17/02C G01S17/88 G01S17/89 G01S17/93 G01S17/93C G01S19/07 G01S19/14 G01S19/17



G01S19/41 G01S19/42 G01S19/47 G01S19/48 G01S19/50 G01S19/51 G01S5/00R3 G01S7/41D G01S7/48A G01S7/539
G01W1/00 G05D1/02E14M G05D1/02E16B G05D1/02E6V G06F17/30L G06K9/00H1 G06K9/00V6 G06K9/00V7 G08G1/0967C2
G08G1/133 G08G1/16 G08G1/16A G08G1/16A2 G08G1/16B L60N2/02B6S L60R1/12C L60R1/12G L60R21/00A2 L60R21/00C
L60R21/00P2H L60R21/0132 L60R21/0134 L60R21/013R L60R21/015G2 L60R21/015G6 L60R21/015G6D L60R21/015G6F
L60R21/015G6H L60R21/015G7 L60R21/015G8 L60R21/015G8E L60R21/015G9 L60R21/015J L60R21/015L L60R21/2165S
L60R21/231M L60R21/233H2 L60R21/26M L60R21/26V L60R21/276 L60R21/276L L60R22/20R L60R22/48B2 L60R325/30D
L60T201/022 L60W10/06 L60W10/18 L60W10/184 L60W10/20 L60W30/02 L60W30/09 L60W30/09S L60W30/14 L60W30/16
L60W30/18S L60W40/04 L60W40/072 L60W40/076 L60W420/40 L60W420/40A L60W420/52 L60W50/00D4B L60W50/00D4D
L60W50/00D6A2 L60W50/04B2 L60W50/04B2A L60W50/14 L60W50/14B L60W550/12 L60W550/20 L60W550/30
L60W550/30C L60W550/40A P05F15/00B6B5R P05Y900/550 S01S13/04 S01S13/75C S01S13/93C10 S01S13/93C11
S01S13/93C12 S01S13/93C13 S01S13/93C14 S01S13/93C16 S01S13/93C30C S01S13/93C6 S01S13/93C8 S01S13/93C9
S01S15/04 S01S15/06 S01S15/88 S01S17/88 S01S17/89 S01S19/41 S01S205/00R21 S01S205/00R22 S01S7/48 S01S7/487
S01S7/539 S05D1/02E10 S05D1/02E14B S05D1/02E3L S05D1/02E3V S05D201/0213 S10K210/1282 S10K210/3219
US: 1/1 1/1P 213/36 280/735 280/735P 340/435 340/435P 340/435S 340/436 340/436S 340/438 340/438S 340/440 340/461
340/461S 340/557 340/601 340/870.07 340/901 340/901S 340/903 340/905 340/905P 340/961 340/961S 340/988 340/989
340/993 340/995.1 340/995.12 340/995.13 342/118 342/357.06 342/357.08 342/357.13 342/357.31 342/386 342/53 342/53P
342/54 342/54S 342/70 342/70S 342/71 342/72 701/1 701/117 701/117P 701/117S 701/1P 701/200 701/200P 701/200S
701/207 701/207P 701/207S 701/208 701/208P 701/210 701/213 701/213S 701/214 701/214S 701/215 701/216 701/221
701/223 701/29 701/29P 701/3 701/300 701/300P 701/301 701/301P 701/301S 701/36 701/36P 701/36S 701/38 701/3P
701/408 701/408P 701/414 701/45 701/451 701/45S 701/466 701/466S 701/467 701/469 701/469S 701/470 701/470S
701/472 701/472P 701/472S 701/48 701/482 701/482P 701/514 701/514P 701/516 701/517 701/517S 701/522 701/523
701/523S 701/532 701/70 701/70S 702/187 702/3 702/3P 705/1 705/1.1 705/1.100P 707/10 707/999.01 707/999.010S
707/E17.018 707/E17.018S 73/170.16 73/866.3

Family:

Publication number	Publication date	Application number	Application date
AU200035225 A5	20000928	AU20000035225D	20000310
DE10149206 A1	20030206	DE20011049206	20011002
GB200123688 A0	20011121	GB20010023688	20011002
GB200422015 A0	20041103	GB20040022015	20011002
GB2373117 A1	20020911	GB20010023688	20011002
GB2373117 B2	20050216	GB20010023688	20011002
GB2405279 A1	20050223	GB20040022015	20011002
GB2405279 B2	20050427	GB20040022015	20011002
US2002198632 AA	20021226	US20020118858	20020409
US2003191568 AA	20031009	US20020216633	20020809
US2005060069 AA	20050317	US20040822445	20040412
US2005134440 AA	20050623	US20050034325	20050112
US2005137786 AA	20050623	US20050028386	20050103
US2007005609 AA	20070104	US20060464385	20060814
US2007021915 AA	20070125	US20060461619	20060801
US2007109111 AA	20070517	US20060562730	20061122
US2007152804 AA	20070705	US20070681817	20070305
US2008015771 AA	20080117	US20070778127	20070716
US2008040023 AA	20080214	US20070874749	20071018
US2008040029 AA	20080214	US20070874418	20071018
US2008042815 AA	20080221	US20070874732	20071018
US2008106436 AA	20080508	US20080972205	20080110
US2008133136 AA	20080605	US20080972135	20080110
US2008140318 AA	20080612	US20080032774	20080218
US2008147253 AA	20080619	US20080032946	20080218
US2008150786 AA	20080626	US20080045332	20080310
US2008154495 AA	20080626	US20080020652	20080128
US2008154629 AA	20080626	US20080032749	20080218
US2008157510 AA	20080703	US20080031052	20080310
US6370475 BA	20020409	US19980177041	19981022
US6405132 BA	20020611	US20000679317	20001004
US6526352 BA	20030225	US20010909466	20010719
US6720920 BB	20040413	US20020118858	20020409
US6768944 BB	20040727	US20020216633	20020809
US7085637 BB	20060801	US20040822445	20040412
US7110880 BB	20060919	US20050028386	20050103
US7202776 BB	20070410	US20050034325	20050112
US7295925 BB	20071113	US20060562730	20061122
US7418346 BB	20080826	US20060461619	20060801
US7426437 BB	20080916	US20070681817	20070305
US7610146 BB	20091027	US20070874418	20071018
US7629899 BB	20091208	US20060464385	20060814
US7791503 BB	20100907	US20070874732	20071018
US7796081 BB	20100914	US20080045332	20080310
US7912645 BB	20110322	US20070778127	20070716
US7962285 BB	20110614	US20080020652	20080128
US8000897 BB	20110816	US20080972135	20080110
US8060308 BB	20111115	US20080032774	20080218
US8255144 BB	20120828	US20070874749	20071018
WO0054008 A1	20000914	WO2000US06236	20000310

Priority:

GB20010023688	20011002	US19940239978	19940509	US19960640068	19960430
US19980047704	19980325	US19980047703	19980325	US19970062729P	19971122
US19980177041	19981022	US19970062729P	19971022	US19990123882P	19990311
US20020151615	20020520	US20020058706	20020128	US20000543678	20000407
US20010891432	20010626	US20010838920	20010420	US20000563556	20000503
US19990437535	19991110	US20020114533	20020402	US20020118858	20020409
US20000679317	20001004	US20000523559	20000310	US20010909466	20010719
US20070874732	20071018	US20030413426	20030414	US20040895121	20040721
US20030733957	20031211	US20030365129	20030212	US20040940881	20040913

US20040231788	20040831	US20040804503	20051315	US20040636574P	20041216
US20020188673	20020703	US20060562730	20061122	US20060461619	20060801
US20060464385	20060814	US20050711452P	20050825	US20070874418	20071018
US20070681817	20070305	US20070778127	20070716	US20050028386	20050103
US20050034325	20050112	US20040822445	20040412	US20020216633	20020809
US20070874749	20071018	US20080972205	20080110	US20080972135	20080110
US20080032774	20080218	US20080032946	20080218	US20080045332	20080310
US20080020652	20080128	US20080032749	20080218	US20080031052	20080310
WO2000US06236	20000310				

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; DUVAL WILBUR E ; JOHNSON WENDELL C ; INTELLIGENT TECHNOLOGIES INT L ; INTELLIGENT TECH INT INC ; KONOVALOV VLADYMYR MICHAILOVIC

Assignee(s): KONOVALOV VLADYMYR MICHAILOVIC ; LUKIN KOSTYANTYN ALEXANDROVICH ; INTELLIGENT TECHNOLOGIES INT ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INT L INC ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): KONOVALOV VLADYMYR MICHAILOVIC ; LUKIN KOSTYANTYN ALEXANDROVICH ; SEITZ WILLIAM E ; LUKIN KOSTYANTYN A ; KONOVALOV VLADYMYR M ; JOHNSON WENDELL C ; DUVAL WILBUR E ; CASTELLI VITTORIO ; BREED DAVID SCRANTON ; BREED DAVID S

Inventor(s): DUVAL WILBUR ; JOHNSON WENDELL ; BREED DAVID ; LUKIN KOSTYANTYN ; KONOVALOV VLADYMYR MICHAILOVICH ; DAVID SCRANTON BREED ; DAVID S BREED ; KONOVALOV VLADYMYR ; WILLIAM E SEITZ ; WILBUR E DUVAL ; WENDELL C JOHNSON ; VITTORIO CASTELLI

Agent(s): BRIAN ROFFE ESQ; BRIAN; ROFFE BRIAN

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

2) Family number: 28304358 (US2002153419A)

© PatBase

Title: MODULAR ARCHITECTURE SENSING AND COMPUTING PLATFORM

Abstract: Source: US2002153419A A weather resistant modular sensor and computing platform reduces costs and enhances versatility of sensor systems. Rapidly evolving electronic technology results in hyper-obsolescence wherein sensor systems that are state of the art technology when designed, fall behind the art quickly as new transducers, batteries and components are developed. A cylindrical shaped modular system provides an architecture for up-grading sensors, batteries, special modules, communications, and control. A modular architecture extends the life cycle of a system and avoids hyper-obsolescence and the requirement to design a complete new system to incorporate new technology. Modularity and low cost manufacturing methods enable the practical definition of a cylindrical computer. The cylinder shaped enclosures have on their ends a common connection interface to which modules may be added. This provides a long system life cycle and wide ranging versatility. The size of the platform is not restricted. Larger systems are capable of supporting more sophisticated processing. A scaled up version of the modular platform provides an outdoor weather resistant community computing server.

Classifications:

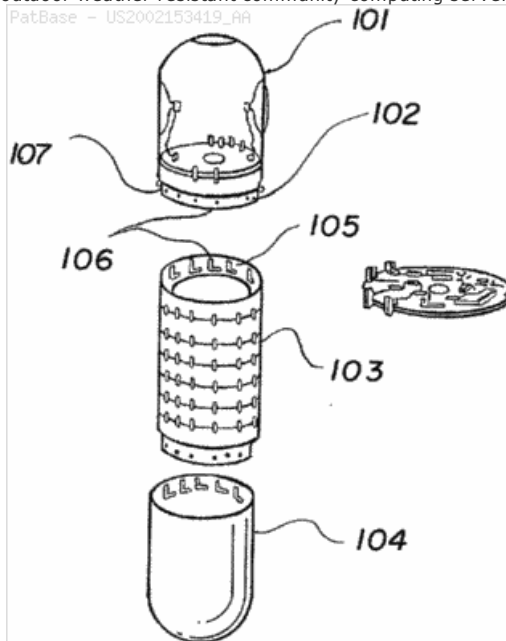
International (ipc 8-9): G05B19/00 G06F1/16 G06F17/00 G06F19/00 G06F3/03 G06F3/033 G06F3/042 G06G7/80 H05K1/14 (Advanced/Invention)

International (ipc 1-7): G06F19/00 G06G7/80 H04K1/00

CPC: G06F3/0317 G05B19/00 G06F1/1613 G06F1/1616 G06F1/1626 G06F1/1632 G06F1/1635 G06F1/1656 G06F1/1684 G06F3/0421 H05K1/144

European: G05B19/00 G06F1/16P G06F1/16P1F G06F1/16P3 G06F1/16P6 G06F1/16P9B G06F1/16P9E G06F1/16P9P G06F3/033Z2B G06F3/033Z2B2 G06F3/03H3 G06F3/042B H05K1/14D

US: 235/375 235/375P 235/400 235/400P 235/441 235/441S 235/486



Family:

Publication number	Publication date	Application number	Application date
US2002153419 AA	20021024	US20020165951	20020610
US2004200900 AA	20041014	US20040837166	20040430
US2007131756 AA	20070614	US20070701904	20070202
US2007138275 AA	20070621	US20070701915	20070202
US6402031 BA	20020611	US19970997188	19971216
US6766950 BB	20040727	US20020165951	20020610
US7172119 BB	20070206	US20040837166	20040430
US7490769 BB	20090217	US20070701904	20070202
US7931198 BB	20110426	US20070701915	20070202

Priority:

US19970997188 19971216 US20020165951 20020610 US20040837166 20040430

Probable Assignee: HALL DONALD R
Assignee(s): (std): HALL DONALD R
Inventor(s): (std): HALL DONALD R
Inventor(s): HALL DONALD
Agent(s): HOLLANDER LAW FIRM PLC; GREENBLUM AND BERNSTEIN PLC

3) Family number: 30690525 (US2004124605A)

© PatBase

Title: ARTICULATED EQUIPMENT POSITION CONTROL SYSTEM AND METHOD

Abstract: Source: US2004124605A An articulated equipment position control system and method are provided for equipment consisting of motive and working components. The components are connected by an articulated connector, such as a pivotal hitch. GPS-derived positional data is utilized for power-articulating the hitch to maintain the working component, such as an implement, on a predetermined course. Operator-induced course deviations can thus be corrected. The working component can also be positioned to follow the course of the motive component. The system includes a microprocessor control subsystem, which interfaces with a steering guidance system.

Classifications:

International (IPC 8-9): A01B69/00 A01B69/04 A01B79/00
B05B12/00 B60W10/20 B62C11/00 B62D13/00 B62D6/00 E01C19/00
E01H4/00 E02F9/20 E02F9/26 G01C21/00 G01C21/10 G01C21/16
G01C21/20 G01C21/28 G01C22/00 G01C25/00 G01K1/00 G01S1/00
G01S19/01 G01S19/04 G01S19/07 G01S19/13 G01S19/14
G01S19/23 G01S19/24 G01S19/39 G01S19/41 G01S19/42
G01S19/43 G01S19/44 G01S19/48 G01S19/51 G01S19/53
G01S19/54 G01S19/55 G01S5/14 G05B15/02 G05D1/00 G05D1/02
G05D1/08 G05D3/12 G06F17/00 G06F19/00 G06F7/00 G06F7/70
G06F7/76 G06F9/44 G06G7/00 G06G7/76

H04L7/00 (Advanced/Invention);

A01C23/00 G01S19/44 G01S19/53 G01S19/54

G01S5/14 (Advanced/Non-invention);

A01B69/04 A01B79/00 B62D6/00 G01C21/00 G01C21/28 G01K1/00

G01S1/00 G01S19/00 G01S5/14 G05B15/02 G05D1/02

G06F19/00 (Core/Invention);

G01S5/14 (Core/Non-invention)

International (IPC 1-7): B60D1/00 G01C22/00 G01S5/14 G05D1/00
G06F19/00

CPC: G01S5/0247 G01S19/47 G01C15/00 G01S5/0063 G05D1/0259

G01C21/005 A01B69/004 G01S19/35 G01S19/43 G05D1/0291

G01S19/51 A01B69/008 G01S5/0036 G01S19/36 G05D1/0206

G05D1/101 G05D2201/0213 G01S19/13 G05D1/0891 E01H4/00

G01C21/165 G01S19/24 G05D1/0287 G01C21/20 E02F9/2054

E02F9/2045 E01C19/004 E02F9/264 E02F9/2029 G05D2201/02

G01C25/005 G05D2201/0201 G01S19/54 A01B69/007 A01B79/005

G01S19/04 G01S19/14 G01S19/41 G01S19/44 G01S19/53

G01S19/55 G05D1/027 G05D1/0274 G05D1/0278 G05D2201/0202

European: A01B69/00E1 A01B69/00F A01B69/00F1 A01B79/00P

G01C15/00 G01C21/00C G01C21/16A G01S19/04 G01S19/14

G01S19/35 G01S19/36 G01S19/41 G01S19/43 G01S19/47

G01S19/53 G01S19/54 G01S19/55 G01S5/00R1B G01S5/00R2B G01S5/02B

G05D1/02C G05D1/02E14B G05D1/02E16B

G05D1/10B S01S19/14 S01S19/41 S01S19/44 S05D1/02E12 S05D1/02E14B

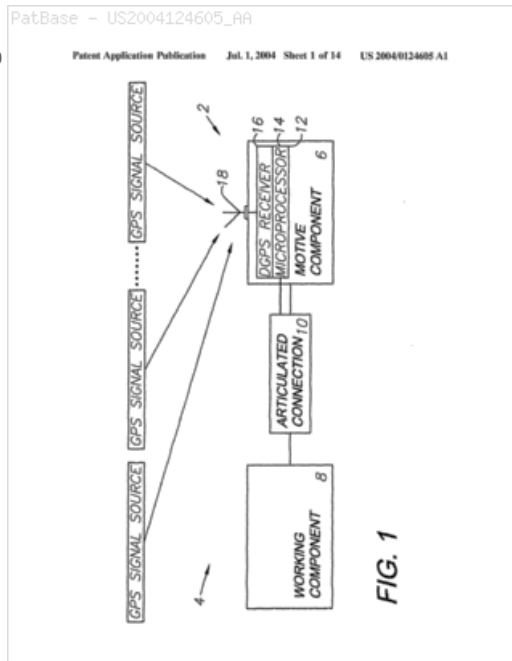
S05D1/02E14M S05D1/02E20F S05D201/0201

S05D201/0202 S05D201/0213

US: 1/1 180/9.1 280/456.1 280/456.100P 280/456.100S 318/587 342/357.01 342/357.03 342/357.06 342/357.07 342/357.08
342/357.09 342/357.11 342/357.12 342/357.14 342/357.15 342/357.22 342/357.24 342/357.240S 342/357.25 342/357.250P
342/357.26 342/357.27 342/357.270P 342/357.3 342/357.300S 342/357.31 342/357.310S 342/357.34 342/357.36
342/357.360P 342/357.360S 342/357.37 342/357.39 342/357.41 342/357.410S 342/357.47 342/357.470S 342/357.52
342/357.520S 342/357.76 342/357.760S 37/197 37/197P 375/355 700/12 700/12S 701/200 701/200S 701/202 701/203
701/205 701/207 701/208 701/209 701/211 701/212 701/213 701/213P 701/214 701/215 701/216 701/220 701/221 701/23
701/23P 701/23S 701/24 701/24S 701/25 701/29 701/31.4 701/31.400P 701/32.4 701/408 701/41 701/410 701/412
701/412P 701/41P 701/41S 701/466 701/468 701/470 701/472 701/50 701/500 701/501 701/50P 701/50S 701/521 701/521P
701/529 702/130 702/130S 717/106 717/106S

Family:

Publication number	Publication date	Application number	Application date
AU2009268726 AA	20100114	AU20090268726	20090707
AU2009268726 BB	20131121	AU20090268726	20090707
BRPI0915864 A2	20151110	BR2009PI15864	20090707
CA2730403 AA	20110111	CA20092730403	20090707
CA2730403 C	20150217	CA20092730403	20090707
US2004124605 AA	20040701	US20030733960	20031211
US2004186644 AA	20040923	US20040804721	20040319
US2004212533 AA	20041028	US20040828745	20040421
US2005116859 AA	20050602	US20050029809	20050105
US2005288834 AA	20051229	US20040875776	20040624
US2007021913 AA	20070125	US20050184657	20050719
US2007112493 AA	20070517	US20070650784	20070108
US2007198185 AA	20070823	US20070700501	20070131
US2008269988 AA	20081030	US20080171399	20080711
US2009099730 AA	20090416	US20080251279	20081014
US2009121932 AA	20090514	US20090350431	20090108
US2009164067 AA	20090625	US20090355776	20090117
US2009322600 AA	20091231	US20090554741	20090904
US2010109944 AA	20100506	US20100683994	20100107
US2010185366 AA	20100722	US20100750429	20100330
US2010312428 AA	20101209	US20100857298	20100816
US2011054729 AA	20110303	US20100938049	20101102
US2012174445 AA	20120712	US20120426395	20120321



US2012215410 AA	20120823	US20110217839	20110825
US2014324291 AA	20141030	US20140166666	20140128
US2015212522 AA	20150730	US20150680980	20150407
US2016011597 AA	20160114	US20150862142	20150922
US2016252909 AA	20160901	US20160152319	20160511
US2016334804 AA	20161117	US20160169534	20160531
US7142956 BB	20061128	US20040875776	20040624
US7162348 BB	20070109	US20030733960	20031211
US7292186 BB	20071106	US20050029809	20050105
US7373231 BB	20080513	US20070650784	20070108
US7400956 BA	20080715	US20040804758	20040319
US7437230 BB	20081014	US20040804721	20040319
US7689354 BB	20100330	US20050184657	20050719
US7885745 BB	20110208	US20070700501	20070131
US8138970 BB	20120320	US20100683994	20100107
US8140223 BB	20120320	US20090355776	20090117
US8190337 BB	20120529	US20080251279	20081014
US8214111 BB	20120703	US20100750429	20100330
US8265826 BB	20120911	US20080171399	20080711
US8271194 BB	20120918	US20090554741	20090904
US8583315 BB	20131112	US20100938049	20101102
US8594879 BB	20131126	US20100857298	20100816
US8634993 BB	20140121	US20110217839	20110825
US8639416 BB	20140128	US20120426395	20120321
US8686900 BB	20140401	US20090350431	20090108
US9002565 BB	20150407	US20140166666	20140128
US9141111 BB	20150922	US20150680980	20150407
US9389615 BB	20160712	US20150862142	20150922
USRE41358 E	20100525	US20080026797	20080206
WO06002360 A1	20060105	WO2005US22433	20050623
WO10005945 A1	20100114	WO2009US49776	20090707
WO10045350 A1	20100422	WO2009US60668	20091014

Priority:

US20020432719P	20021211	US20030456130P	20030320	US20030456146P	20030320
US20040828745	20040421	US20030464756P	20030423	US20040875776	20040624
US20040804758	20040319	US20030733960	20031211	US20040804721	20040319
US20080171399	20080711	US20080251279	20081014	US20090350431	20090108
US20090355776	20090117	US20090554741	20090904	US20050029809	20050105
US20100683994	20100107	US20070700501	20070131	US20050184657	20050719
US20070650784	20070108	US20080026797	20080206	US20100750429	20100330
US20100857298	20100816	WO2009US49776	20090707	US20100938049	20101102
US20120426395	20120321	US20110217839	20110825	US20140166666	20140128
US20150680980	20150407	US20150862142	20150922	US20160152319	20160511
US20160169534	20160531				

Probable Assignee: AGJUNCTION LLC

Assignee(s): (std): COLLINS DENNIS M ; HEININGER RICHARD W ; HEINIGER RICHARD W ; FUNK KENT D ; CSI WIRELESS INC ; FELLER WALTER J ; DAVIS CARY ; AGJUNCTION LLC ; HEMISPHERE GNSS INC ; SATLOC INC ; TIMM JOHN T E ; RHS INC ; HEMISPHERE GPS LLC ; SATLOC LLC ; MCCLURE JOHN A ; TIMM JOHN T ; WONG RICHARD B ; HEMISPHERE GPS INC ; WHITEHEAD MICHAEL L ; MILLER STEVEN R ; WHITEHEAD MICHAEL L ; ROBERGE ANDRE C ; JONES KEITH R ; STICHTER AARON C

Assignee(s): TIMM JOHN TE ; HEMEISPHERE GNSS INC ; BADKE BRADLEY P ; 1718784 ALBERTA LTD ; AGJUNCTION INC ; FELLER WALTER

Inventor(s): (std): COLLINS DENNIS M ; DAVIS CARY ; FELLER WALTER ; FELLER WALTER J ; FUNK KENT D ; HEINIGER RICHARD W ; HEININGER RICHARD W ; MCCLURE JOHN A ; MILLER STEVEN R ; BADKE BRADLEY P ; TIMM JOHN T E ; WONG RICHARD B ; WHITEHEAD MICHAEL L ; TIMM JOHN T ; WHITEHEAD MICHAEL L ; WEBBER MARK R ; STICHTER AARON C ; ROBERGE ANDRE C ; JONES KEITH R

Inventor(s): JOHN A MCCLURE ; HEINIGER RICHARD ; MICHAEL L WHITEHEAD ; MCCLURE JOHN ; WALTER J FELLER ; WONG RICHARD ; WHITEHEAD MICHAEL ; MILLER STEVEN ; BADKE BRADLEY ; TIMM JOHN TE ; COLLINS DENNIS ; TIMM JOHN ; FUNK KENT

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; MOFFAT AND CO; CANTOR COLBURN LLP; CHASE LAW FIRM LC; MARK BROWN; LAW OFFICE OF MARK BROWN LLC; MARK; MARK E; BROWN MARK; BROWN MARK E; LAW OFFICES OF MARK BROWN LLC; CHRISTOPHER M; SCHWABE WILLIAMSON AND WYATT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

4) Family number: 32193500 (US2005187675A)

© PatBase

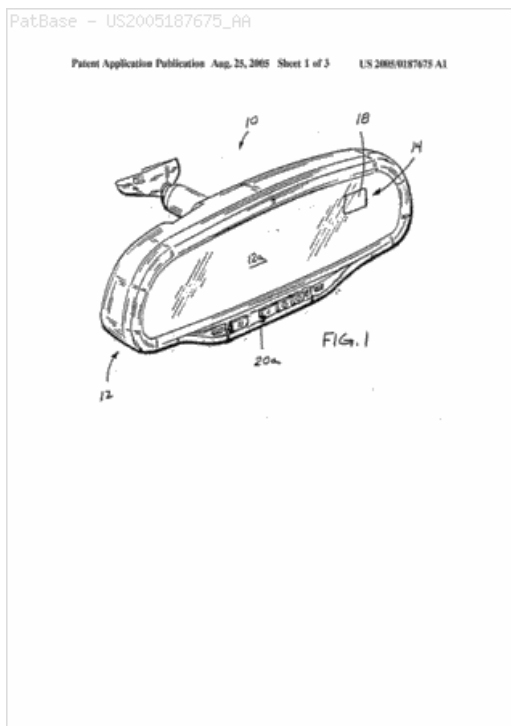
Title: **VEHICLE** COMMUNICATION SYSTEM

Abstract: Source: US2005187675A A **vehicle** communication system including an interior assembly, an in-**vehicle** communication control located in the **vehicle** and remote from the interior assembly, a human-machine interface located at the interior assembly, and a global positioning system control in the **vehicle**. The human-machine interface is connected to the in-**vehicle** communication control via a connective link to communicate at least one human-machine interface signal between the human-machine interface and the in-**vehicle** communication control. The global positioning system control communicates at least one **GPS**-derived signal to the interior assembly or the in-**vehicle** communication control via the connective link. The HMI signal and **GPS**-derived signal share the connective link and are communicated via a common connective link between the in-**vehicle** communication control and the interior assembly.

Classifications:

International (IPC 8-9): B60Q1/00 B60R1/12 G01C21/00 G01S19/42
G06F17/00 G06F19/00 G06F7/00 G09B19/00 H04N7/18
H04W4/22 (Advanced/Invention);

B60R11/02 (Advanced/Non-invention);
B60Q1/00 B60R1/12 G01C21/00 G01S19/00 G06F19/00
G06F7/00 (Core/Invention)
International (IPC 1-7): G06F7/00
CPC: B60R1/12 B60R11/0247 B60R11/0258 B60R2001/1284
European: B60R1/12 L60R1/12L L60R11/02H L60R11/02K
US: 340/425.5 340/425.500P 340/438 348/118 348/148 348/148P
348/148S 348/E7.085 348/E70.85S 434/219 434/219S 434/262
434/262S 455/404.1 455/404.100S 701/1 701/118 701/1P 701/1S
701/2 701/213 701/29 701/29.1 701/2P 701/31.5 701/36 701/36P
701/444 701/468 701/487 701/516 707/1 707/468 707/49 707/523



Family:

Publication number	Publication date	Application number	Application date
US2005187675 AA	20050825	US20040964512	20041013
US2008122591 AA	20080529	US20070953362	20071210
US2009240397 AA	20090924	US20090428571	20090423
US2010222963 AA	20100902	US20100776787	20100510
US2011109746 AA	20110512	US20110006905	20110114
US2011320066 AA	20111229	US20110229965	20110912
US2012105640 AA	20120503	US20120345294	20120106
US2012209472 AA	20120816	US20120454679	20120424
US2013135476 AA	20130530	US20130740615	20130114
US2014058653 AA	20140227	US20130071086	20131104
US7308341 BB	20071211	US20040964512	20041013
US7526367 BB	20090428	US20070953362	20071210
US7734392 BB	20100608	US20090428571	20090423
US7873593 BB	20110118	US20100776787	20100510
US8019505 BB	20110913	US20110006905	20110114
US8095260 BA	20120110	US20110229965	20110912
US8170748 BA	20120501	US20120345294	20120106
US8355839 BB	20130115	US20120454679	20120424
US8577549 BB	20131105	US20130740615	20130114
US8886401 BB	20141111	US20130071086	20131104

Priority:

US20030511231P 20031014	US20040964512 20041013	US20070953362 20071210
US20090428571 20090423	US20110006905 20110114	US20100776787 20100510
US20110229965 20110912	US20120345294 20120106	US20120454679 20120424
US20130740615 20130114	US20130071086 20131104	

Probable Assignee: DONNELLY CORP

Assignee(s): (std): COOPRIDER TROY O ; DONNELLY CORP ; SCHOFIELD KENNETH

Inventor(s): (std): COOPRIDER TROY O ; SCHOFIELD KENNETH

Inventor(s): COOPRIDER TROY

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP; GARDNER LINN BURKHART AND FLORY LLP

5) Family number: 36078025 (US2007218900A)

© PatBase

Title: MAP BASED NEIGHBORHOOD SEARCH AND COMMUNITY CONTRIBUTION

Abstract: Source: US2007218900A A method, apparatus and system of map based community search and neighborhood contribution are disclosed. In one embodiment, a method includes associating a verified registered user with a user profile, associating the user profile with a specific geographic location, generating a map concurrently displaying the user profile and the specific geographic location and simultaneously generating, in the map, wiki profiles associated with different geographic locations surrounding the specific geographic location associated with the user profile.

Classifications:

International (IPC 8-9): G01C21/00 G01C21/32 G01C22/00
G01S5/00 G05B19/418 G05B23/02 G05D1/00 G05D1/02 G06F15/16
G06F15/173 G06F17/30 G06F17/50 G06F19/00 G06F21/31
G06F21/62 G06F3/0484 G06Q10/00 G06Q10/02 G06Q10/06
G06Q10/08 G06Q10/10 G06Q20/32 G06Q30/02 G06Q30/06
G06Q30/08 G06Q40/02 G06Q50/00 G06Q50/28 G06Q99/00
G06T11/60 G08B1/08 H04H20/24 H04H20/59 H04L12/28 H04L12/58
H04L29/06 H04L29/08 H04M11/04 H04N21/258 H04N21/45

H04N21/4627 H04Q7/20 H04W4/02 H04W4/22

H04W64/00 (Advanced/Invention);

G06F21/31 G06Q99/00 H04W4/02 H04W4/22

H04W76/00 (Advanced/Non-invention);

G01C21/00 G01C21/28 G05B23/02 G06F15/16 G06Q10/00

G08B1/00 H04L12/28 H04M11/04 H04Q7/20 (Core/Invention)

CPC: G06Q10/00 H04L67/02 H04L67/306 H04L67/141 H04L67/14

G06Q90/00 H04H20/59 H04W4/22 G06F3/0484 G06Q30/0242

H04W64/003 G06F15/17306 G06Q30/0645 H04L63/123 G06T11/60

G06Q30/0269 G06Q50/28 G06Q20/3224 G05D1/0011 H04L51/12

G06Q99/00 H04W76/007 G06Q10/1095 G06W99/00 G06Q30/0605

H04W99/00 G06Q10/02 H04N21/4524 H04H20/24 H04N21/4627

H04N21/25841 H04L51/04 H04L67/04 G01C21/00 G06F21/6218

G06F2221/2141 G06F17/3087 G01S5/0009 G06Q30/0247

G06Q30/0631 G06Q30/0259 G06Q30/0609 G06F17/30598

G06Q30/08 H04L65/403 G06F21/6245 G06F17/50 H04L67/20

G06Q30/0251 G06Q30/0201 G06Q30/0282 G06Q30/0207 H04L67/26

H04L12/1845 H04L12/1859 H04W12/02 H04L63/101 H04W12/08 G06F17/30595 G06F17/30861 H04W12/06 H04L63/10

H04L69/28 H04W4/043 H04W4/206 H04L63/107 H04L67/18 H04L67/1044 H04L63/08 H04W4/021 H04W4/028 H04L63/0815

H04L51/20 H04L51/32 G06Q50/01 G06Q30/0261 H04L67/30 G06F21/31 G05B19/41895 G05D1/0225 G05D1/0238

G05D1/0242 G05D1/0251 G05D1/0255 G05D1/0274 G05D1/028 G06Q10/087 G06Q10/10 G06Q30/02 G06Q30/0241

European: G06Q10/00 G06Q10/087 G06Q10/10 G06Q30/02 G06Q90/00 H04L29/08N1 H04L29/08N13 H04L29/08N13A

H04L29/08N17 H04L29/08N29U

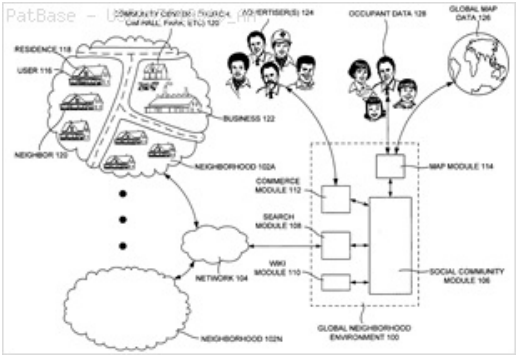
US: 1/1 340/3.3 340/3.300S 340/539.13 340/539.130S 345/629 370/431 370/431P 455/3.06 455/404.2 455/404.200S 455/435.1 455/435.100P 455/456.1 455/457 455/521 700/98 700/98P 701/2 701/208 701/208P 701/25 701/26 701/400 701/408 701/532 701/532P 701/533 703/1 705/1 705/1.1 705/1.100S 705/14.1 705/14.23 705/14.35 705/14.41 705/14.46 705/14.57 705/14.58 705/14.66 705/26.2 705/26.35 705/26.7 705/27.1 705/28 705/28P 705/307 705/319 705/325 705/39 705/44 705/5 705/7.11 705/7.19 707/736 707/737 707/740 707/743 709/204 709/227 709/227S 709/250 725/27 726/26 726/27 726/28 726/3 726/4 726/5 726/6

Family:

Publication number	Publication date	Application number	Application date
US2007218900 AA	20070920	US20060603442	20061122
US2007219659 AA	20070920	US20070725652	20070319
US2007219712 AA	20070920	US20070653194	20070112
US2007220174 AA	20070920	US20070714324	20070305
US2007233582 AA	20071004	US20070709575	20070221
US2008117928 AA	20080522	US20070823369	20070626
US2014087780 AA	20140327	US20130089779	20131126
US2014095293 AA	20140403	US20130100034	20131209
US2014100900 AA	20140410	US20130102474	20131210
US2014108556 AA	20140417	US20130141432	20131227
US2014114866 AA	20140424	US20130142763	20131228
US2014115671 AA	20140424	US20130144612	20131231
US2014123246 AA	20140501	US20140153099	20140113
US2014123247 AA	20140501	US20140157532	20140117
US2014130140 AA	20140508	US20140151844	20140110
US2014136328 AA	20140515	US20140158784	20140118
US2014136414 AA	20140515	US20140157540	20140117
US2014136624 AA	20140515	US20140160586	20140122
US2014143004 AA	20140522	US20140170568	20140201
US2014143061 AA	20140522	US20140174867	20140207
US2014149244 AA	20140529	US20140171787	20140204
US2014165091 AA	20140612	US20140180369	20140214
US2014222339 AA	20140807	US20140252822	20140415
US2014222534 AA	20140807	US20140258052	20140422
US2014228060 AA	20140814	US20140259178	20140423
US2014229274 AA	20140814	US20140257021	20140421
US2014230025 AA	20140814	US20140257011	20140421
US2014230030 AA	20140814	US20140257018	20140421
US2014236542 AA	20140821	US20140262833	20140428
US2014236644 AA	20140821	US20140262824	20140428
US2014236700 AA	20140821	US20140262714	20140426
US2014236723 AA	20140821	US20140262711	20140426
US2014236732 AA	20140821	US20140261445	20140425
US2014236848 AA	20140821	US20140262710	20140426
US2014237051 AA	20140821	US20140262706	20140426
US2014337938 AA	20141113	US20140262708	20140426
US2015199742 AA	20150716	US20140249345	20140409
US8190357 BB	20120529	US20070725652	20070319
US8732091 BA	20140520	US20140151844	20140110
US8738545 BB	20140527	US20130144612	20131231
US8874489 BB	20141028	US20130102474	20131210
US9071367 BB	20150630	US20130089779	20131126
US9373149 BB	20160621	US20140157540	20140117
WO07108927 A2	20070927	WO2007US05610	20070305
WO07108927 A3	20080605	WO2007US05610	20070305
WO07108928 A2	20070927	WO2007US05612	20070305
WO07108928 A3	20080828	WO2007US05612	20070305
WO07108928 B1	20081016	WO2007US05612	20070305

Priority:

US20060603442	20061122	US20060783226P	20060317	US20070653194	20070112
US20060817470P	20060628	US20060853499P	20061019	US20060854230P	20061025
US20070709575	20070221	US20070714324	20070305	US20070725652	20070319
US20070731465	20070329	US20070728848	20070326	US20070789741	20070424
US20070717807	20070313	US20070716198	20070308	US20070823369	20070626



US20070827250	20070710	US20070827776	20070713	US20070799282	20070430
US20070805329	20070522	US20070897908	20070830	US20070811388	20070608
US20070821144	20070622	US20070900364	20070910	US20070809736	20070601
US20130089779	20131126	US20130079611	20131113	US20130894443P	20131023
US20130100034	20131209	US20130102474	20131210	US20130141432	20131227
US20130142763	20131228	US20130144612	20131231	US20140157532	20140117
US20140153099	20140113	US20130142764	20131228	US20130142764	20131228
US20140151844	20140110	US20140158784	20140118	US20140157540	20140117
US20140160586	20140122	US20110526693P	20110824	US20140170568	20140201
US20140174867	20140207	US20140171787	20140204	US20140180369	20140214
US20140258052	20140422	US20140252822	20140415	US20140257011	20140421
US20140257018	20140421	US20140259178	20140423	US20140257021	20140421
US20140261445	20140425	US20140262706	20140426	US20140262708	20140426
US20130817470P	20130430	US20140249345	20140409	US20140262711	20140426
US20140262833	20140428	US20140262824	20140428	US20140262710	20140426
US20140262714	20140426				

Probable Assignee: ABHYANKER RAJ

Assignee(s): (std): ABHYANKER RAJ ; ABHYANKER RAJ V ; ABHYANKER RAJ VASANT ; FATDOOR INC ; CT D CORP ; JENSEN HAXEL PETER ; THOTA CHANDRASEKHAR ; GOOGLE INC

Assignee(s): IP ANALYTICS LLC ; RAJ ABHYANKER PC ; NEXTDOORCOM INC ; RAJ ABHYANKER PROFESSIONAL CORP ; FATDOOF INC ; GEOTAG INC ; COFFEE ROASTING CO ; DEALMAP INC ; CENTER D CORP ; CENTER'D CORP

Inventor(s): (std): ABHYANKER RAJ ; ABHYANKER RAJ V ; ABHYANKER RAJ VASANT ; JENSEN HAXEL PETER ; THOTA CHANDRASEKHAR

Agent(s): RAJ ABHYANKER LLP, C/O INTELLEVATE; RAJ ABHYANKER LLP C O INTELLEVATE; RAJ ABHYANKER LLP; PILLSBURY WINTHROP SHAW PITTMAN LLP; RAJ ABHYANKER PC; RAJ

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 57982725 (US2014362231A)

© PatBase

Title: TRAFFIC ENFORCEMENT SYSTEM WITH TIME TRACKING AND INTEGRATED VIDEO CAPTURE

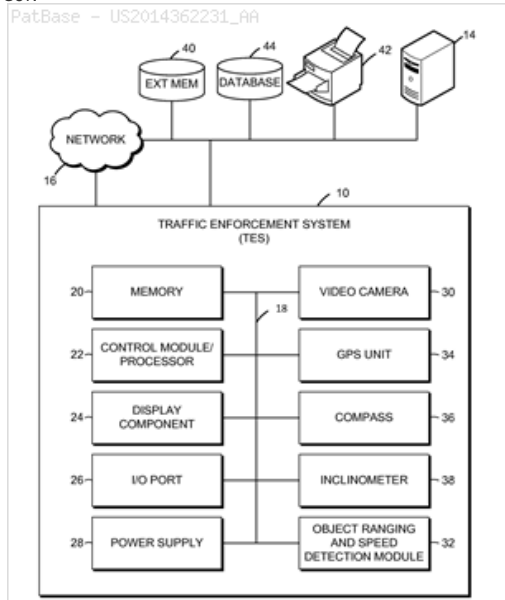
Abstract: Source: US2014362231A A method, system, and apparatus are provided for capturing a video image and speed of a target **vehicle**. A ranging device detects a **distance** to a target **vehicle**. The focal **distance** or zoom of a video **camera** is set and adjusted based on the **distance**. The speed of travel of the **vehicle** is detected, displayed, and/or stored in association with a video image captured of the **vehicle** by the video **camera**. A range of **distances** within which to capture the video image and speed of the **vehicle** may be set by detecting **distances** between a pair of landmarks or using **GPS** and **compass** heading data. An inclinometer is provided to aid initiation of a power-conservation mode. A target tracking time may be determined and compared to a minimum tracking time period. A device certification period can be stored and displayed and the device deactivated upon expiration thereof.

Classifications:

International (IPC 8-9): G01S13/92 G01S17/88 G02B7/32 G06F19/00 G06K9/00 G06K9/32 G06T7/20 G08G1/01 G08G1/017 G08G1/052 G08G1/054 H04N21/84 H04N5/232 (Advanced/Invention)

CPC: G06T7/20 H04N5/23293 G06T2207/10016 G06T2207/30236 G06K2209/15 G06K9/00785 G02B7/32 H04N5/23296 G08G1/054 G06K9/32 G01S13/92 G01S17/88 G08G1/052

US: 348/169



Family:

Publication number	Publication date	Application number	Application date
AU2014274669 AA	20141211	AU20140274669	20140606
CA2914345 AA	20151202	CA20142914345	20140606
CO15310633 A2	20160610	CO20150310633	20151229
EP3005197 A1	20160413	EP20140807281	20140606
EP3005197 A4	20170301	EP20140807281	20140606
GB201522210 A0	20160127	GB20150022210	20140606
GB2529368 A1	20160217	GB20150022210	20140606
SG11201509969R A1	20160128	SG20151109969	20140606
US2014362231 AA	20141211	US20140298670	20140606
WO14197858 A1	20141211	WO2014US41404	20140606

Priority:

Probable Assignee: KUSTOM SIGNALS INC

Assignee(s): (std): KUSTOM SIGNALS INC

Assignee(s): TELIX DOO ; SHELTON MAURICE F ; PAULSON MICHAEL ; BIETSCH MICHAEL ; HAYES KENT F ; KOVACEVIC MILOS ; KOVACEVIC ZORAN

Inventor(s): (std): KOVACEVIC MILOS ; KOVACEVIC ZORAN ; PAULSON MICHAEL ; SHELTON MAURICE E ; SHELTON MAURICE F ; BIETSCH MICHAEL ; HAYES KENT F

Inventor(s): KENT F HAYES ; ZORAN KOVACEVIC ; MAURICE F SHELTON ; MICHAEL BIETSCH ; MICHAEL PAULSON ; MILOS KOVACEVIC

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MOFFAT AND CO; JOSE ANDRES RINCON USCATEGUI; PRICE NIGEL JOHN KING; DERUSSEAU GINNIE C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW