

1) Family number: 34394001 (US2007087756A)

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Title: MULTIFACTORIAL OPTIMIZATION SYSTEM AND METHOD

Abstract: A method for providing unequal allocation of rights among agents while operating according to fair principles, comprising assigning a hierarchical rank to each agent; providing a synthetic economic value to a first set of agents at a high level of the hierarchy; allocating portions of the synthetic economic value by the first set of agents to a second set of agents at respectively different hierarchical rank than the first set of agents; and conducting an auction amongst agents using the synthetic economic value as the currency. A method for allocation among agents, comprising assigning a wealth generation function for generating future wealth to each of a plurality of agents, communicating subjective market information between agents, and transferring wealth generated by the secure wealth generation function between agents in consideration of a market transaction. The method may further comprise the step of transferring at least a portion of the wealth generation function between agents.

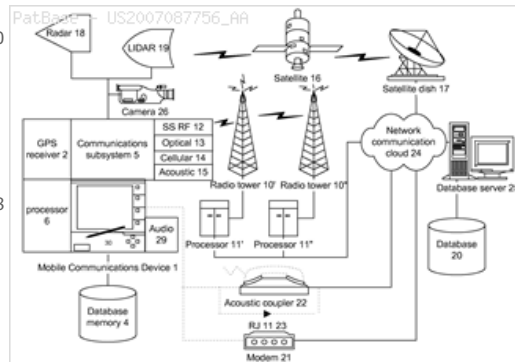
Classifications:

International (IPC 8-9): G06F15/16 G06F17/30 G06F9/50 G06Q10/00
G06Q10/06 G06Q10/10 G06Q20/06 G06Q20/22 G06Q20/40
G06Q30/00 G06Q30/02 G06Q30/08 G06Q40/00 G06Q40/04
G06Q50/18 H04L12/28 H04Q7/20 H04W16/28 H04W24/02
H04W36/20 H04W52/24 H04W64/00 H04W72/04 H04W72/08
H04W84/18 (Advanced/Invention);
H04W84/18 (Advanced/Non-invention)

CPC: G06Q20/40 H04W64/003 H04W72/082 G06Q10/0631
G06Q10/0635 G06Q10/06375 G06Q10/103 G06Q30/0201 G06Q30/08
G06Q40/00 G06Q40/04 G06Q50/188 H04W84/18 G06Q20/065
G06Q20/22 H04W16/28

European: G06Q10/0631 G06Q10/0635 G06Q10/06375
G06Q10/103 G06Q30/0201 G06Q30/08 G06Q40/04 G06Q50/188
T04W284/18 T04W50/08 T04W84/18

US: 1/1 370/216 370/254 370/391 370/392 370/400 370/437
370/465 455/450 455/450P 455/452.1 705/1 705/1.1 705/1.1005
705/26 705/26.3 705/30 705/301 705/35 705/37 705/39 705/64
705/7 705/7.12 705/7.120S 705/7.28 705/7.280P 705/7.29 705/7.37 705/7.370S 705/7S 705/8 705/80 705/8P 705/9 709/241
709/241S 718/104



Family:

Publication number	Publication date	Application number	Application date
EP1934839 A2	20080625	EP20060816197	20061003
EP1934839 A4	20110413	EP20060816197	20061003
US2007087756 AA	20070419	US20060467931	20060829
US2008262893 AA	20081023	US20060089277	20061003
US2013080307 AA	20130328	US20120429666	20120326
US2015111591 AA	20150423	US20140526117	20141028
US2017206512 AA	20170720	US20170476416	20170331
US2018049043 AA	20180215	US20170726031	20171005
US2020187018 AA	20200611	US20200792250	20200216
US8144619 BB	20120327	US20060089277	20061003
US8874477 BB	20141028	US20060467931	20060829
US9615264 BB	20170404	US20120429666	20120326
US9794797 BB	20171017	US20140526117	20141028
US10567975 BB	20200218	US20170476416	20170331
WO07044383 A2	20070419	WO2006US38759	20061003
WO07044383 A3	20070628	WO2006US38759	20061003

Priority:

US20050723339P 20051004	US20060467931 20060829	US20060089277 20061003
WO2006US38759 20061003	US20080089277 20080404	US20120429666 20120326
US20140526117 20141028	US20170476416 20170331	US20170726031 20171005
US20200792250 20200216		

Probable Assignee: MEADWESTVACO CORP

Assignee(s): (std): HOFFBERG STEVEN MARK ; HOFFBERG STEVEN M ; HOFFBERG FAMILY TRUST 2

Assignee(s): MEADWESTVACO CORP

Inventor(s): (std): HOFFBERG STEVEN MARK ; HOFFBERG STEVEN M

Inventor(s): HOFFBERG STEVEN

Agent(s): TARVENKORN OLIVER; MILDE AND HOFFBERG LLP; OSTROLENK FABER LLP; STEVEN M; HOFFBERG STEVEN M; TULLY RINCKEY PLLC

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 GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR 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

2) Family number: 32303300 (US2005228578A)

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Title: TRAFFIC MONITORING SYSTEM

Abstract: There is described a monitoring system (1) for monitoring traffic in a highway section, and including at least one detecting unit (2) installed in a sensor vehicle (3) circulating in the highway section to monitor traffic locally; and a remote central operating unit (4) communicating with the detecting unit (2) to receive local monitoring information. The detecting unit (2) includes a locating device (6) supplying information relative to the position of the relative sensor vehicle (3); a sensor device (5) supplying information relative to the position of objects and/or vehicles around the sensor vehicle (3); and a transmitting device (8) for transmitting the information supplied by the locating device (6) and sensor device (5). The remote central operating unit (4) includes a receiving device (9) for receiving the information transmitted by the detecting unit (2); and a processing unit (11, 12) for processing the information.

Classifications:

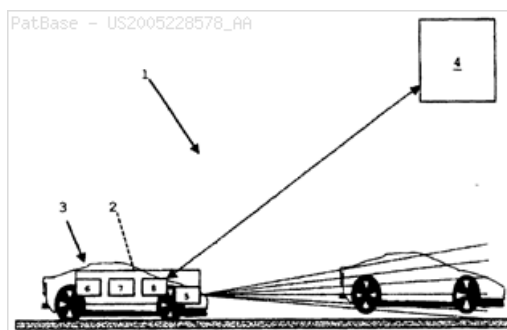
International (IPC 8-9): G06G7/76 G08G1/01 (Advanced/Invention); G06G7/00 G08G1/01 (Core/Invention)

International (IPC 1-7): G06G7/76 G08G1/01

CPC: G08G1/0104 G08G1/0112 G08G1/096775

European: G08G1/01B

US: 701/117



Family:

Publication number	Publication date	Application number	Application date
EP1591980 A1	20051102	EP20040425217	20040329
US2005228578 AA	20051013	US20050083817	20050318

Priority:

EP20040425217 20040329

Probable Assignee: CRF SOCIETA CONSORTILE PER AZIONI

Assignee(s): (std): FIAT RICERCHE

Assignee(s): C R F SOCIETA CONSORTILE PER AZIONI ; CRF SOC ; CRF SOCIETA CONSORTILE PER AZIONI

Inventor(s): (std): BURZIO GIANFRANCO

Agent(s): HOWREY LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

3) Family number: 32712698 (US2006167784A)

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Title: GAME THEORETIC PRIORITIZATION SCHEME FOR MOBILE AD HOC NETWORKS PERMITTING HIERARCHAL DEFERENCE

Abstract: A method for providing unequal allocation of rights among agents while operating according to fair principles, comprising assigning a hierarchical rank to each agent; providing a synthetic economic value to a first set of agents at the a high level of the hierarchy; allocating portions of the synthetic economic value by the first set of agents to a second set of agents at respectively different hierarchal rank than the first set of agents; and conducting an auction amongst agents using the synthetic economic value as the currency.

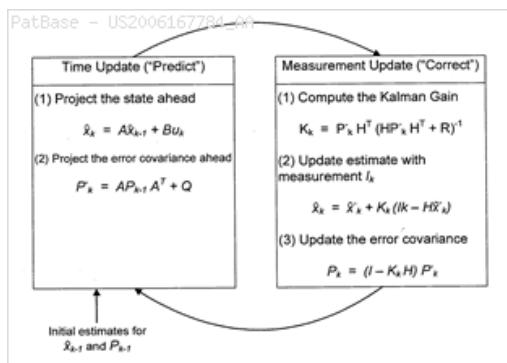
Classifications:

International (IPC 8-9): G06Q20/06 G06Q20/10 G06Q20/40 G06Q30/08 G06Q40/00 G06Q40/02 G06Q40/04 G06Q40/06 G06Q50/00 G06Q50/18 H04L9/00 H04W4/02 (Advanced/Invention); G06Q40/00 G06Q50/00 H04L9/00 (Core/Invention)

CPC: G06Q20/401 G06Q40/00 G06Q40/025 G06Q40/04 G06Q40/06 G06Q50/188 G06Q20/0652 G06Q20/10 G06Q30/08 H04W4/029

European: G06Q20/401 G06Q30/08 G06Q40/00 G06Q40/025 G06Q40/04 G06Q40/06 G06Q50/188

US: 1/1 705/1 705/35 705/36.00R 705/36.00RS 705/36R 705/37 705/37P 705/37S 705/38 705/69 705/75 705/75P 705/80



Family:

Publication number	Publication date	Application number	Application date
US2006167784 AA	20060727	US20040005460	20041206
US2010235285 AA	20100916	US20090560293	20090915
US2016224951 AA	20160804	US20160095565	20160411
US7590589 BB	20090915	US20040005460	20041206
US9311670 BB	20160412	US20090560293	20090915
WO06029297 A2	20060316	WO2005US32113	20050909
WO06029297 A3	20070329	WO2005US32113	20050909

Priority:

US20040609070P 20040910 US20040005460 20041206 US20090560293 20090915
US20160095565 20160411

Probable Assignee: HOFFBERG STEVEN M

Assignee(s): (std): HOFFBERG STEVEN ; HOFFBERG STEVEN M ; HOFFBERG STEVEN

Inventor(s): (std): HOFFBERG STEVEN M ; HOFFBERG STEVEN ; HOFFBERG STEVEN

Agent(s): STEVEN M HOFFBERG ESQ MILDE AND HOFFBERG LLP; HOFFBERG AND ASSOCIATES; MILDE AND HOFFBERG LLP; STEVEN M; OSTROLENK FABER LLP

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 GW HR HU ID IE IL IN IS IT JP KE

4) Family number: 47851841 (US2010317420A)

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Title: SYSTEM AND METHOD

Abstract: A system and method providing for communication and resolution of utility functions between participants, wherein the utility function is evaluated based on local information at the recipient to determine a cost value thereof. A user interface having express representation of both information elements, and associated reliability of the information. An automated system for optimally conveying information based on relevance and reliability.

Classifications:

International (IPC 8-9): A63F9/24 G06Q10/06 G06Q10/10

G06Q30/00 G06Q30/02 G06Q30/06 G06Q30/08

G07F17/32 (Advanced/Invention)

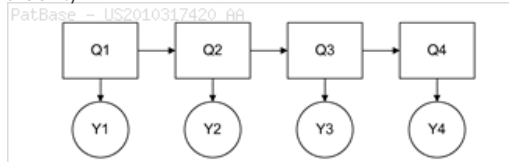
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G07F17/323 G07F17/3237

European: G06Q30/0207 G06Q30/08 G07F17/32 G07F17/32E4

G07F17/32E6D

US: 1/1 463/1 463/1P 705/14.1 705/14.100P 705/14.71 705/26.3 705/26.300S



Family:

Publication number	Publication date	Application number	Application date
US2010317420 AA	20101216	US20100837504	20100716
US2011004513 AA	20110106	US20100837502	20100716
US2014081793 AA	20140320	US20130089022	20131125
US2018068358 AA	20180308	US20170811488	20171113
US8600830 BB	20131203	US20100837502	20100716
US9818136 BA	20171114	US20040771182	20040203
US10163137 BB	20181225	US20130089022	20131125

Priority:

US20030445346P 20030205 US20040771182 20040203 US20100837504 20100716
US20100837502 20100716 US20130089022 20131125 US20170811488 20171113

Probable Assignee: HOFFBERG FAMILY TRUST 2

Assignee(s): (std): HOFFBERG STEVEN M

Assignee(s): HOFFBERG FAMILY TRUST 2

Inventor(s): (std): HOFFBERG STEVEN M

Agent(s): HOFFBERG AND ASSOCIATES; OSTROLENK FABER LLP; STEVEN M; HOFFBERG STEVEN M; TULLY RINCKEY PLLC

5) Family number: 69992921 (US2018158324A)

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Title: LOCALIZED TRAFFIC DATA COLLECTION

Abstract: A system and method for collecting, processing, storing, or transmitting traffic data. A localized data collection module may retrieve, receive, or intercept traffic data through or from hardware installed in a traffic control cabinet adjacent an intersection or other roadway feature of interest. Data which may have previously been confined to a closed loop traffic control system may be remotely accessible for traffic operations control or monitoring via a network connected server and/or cloud architecture.

Classifications:

International (IPC 8-9): B60Q9/00 B60T7/12 B60T7/18 G05D1/00

G06Q30/02 G08G1/00 G08G1/01 G08G1/04 G08G1/042 G08G1/065

G08G1/07 G08G1/096 G08G1/0962 G08G1/0967 G08G1/097

H04L29/08 H04L9/08 H04L9/12 H04L9/14 H04L9/30 H04L9/32

H04M1/725 (Advanced/Invention);

G08G1/08 H04W4/02 (Advanced/Non-invention)

CPC: G08G1/0125 G05D1/0088 G08G1/0962 G08G1/096 G08G1/07

H04L2209/80 H04L9/30 H04L2209/84 G08G1/0967 H04L9/14

G08G1/096725 B60T2210/30 B60Q9/00 B60T7/12 G06Q30/0265

B60T2201/022 G08G1/08 H04M1/72577 H04L67/1097 H04L67/12

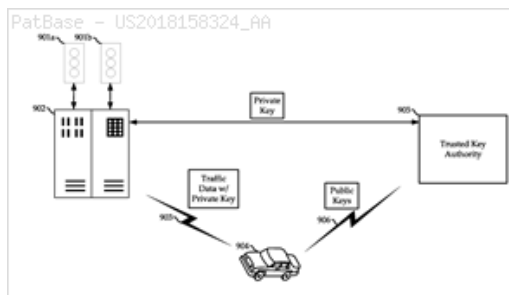
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G08G1/0145 G08G1/04 G08G1/042 G08G1/065 G08G1/096716

G08G1/096775 G08G1/096783 G08G1/097 H04L9/083 H04L9/0894

H04L9/12 H04M1/72522

US: 1/1 701/117 701/36 713/168



Family:

Publication number	Publication date	Application number	Application date
US2018158324 AA	20180607	US20170708676	20170919
US2018158328 AA	20180607	US20170708694	20170919
US2018158329 AA	20180607	US20170708707	20170919
US2020184807 AA	20200611	US20200792139	20200214
US10297147 BB	20190521	US20170708707	20170919
US10565864 BB	20200218	US20170708676	20170919
US10593198 BB	20200317	US20170708694	20170919

Priority:

US20160430724P 20161206 US20170708676 20170919 US20170708694 20170919
US20170708707 20170919 US20200792139 20200214

Probable Assignee: FLIR COMMERCIAL SYSTEMS INC

Assignee(s): (std): ACYCLICA INC ; FLIR COMMERCIAL SYSTEMS INC ; FUR COMMERCIAL SYSTEMS INC

Inventor(s): (std): BENHAMMOU DANIEL ; BIRGEN TYLER ; CHRISTIANSEN GARY ; HOUSKA JOSH ; VANROOYEN RYAN
Agent(s): HAYNES AND BOONE LLP

6) Family number: 33585950 (US2006247853A)

Title: MAP DISPLAY SYSTEM AND METHOD

Abstract: Provided is a computer system and methods related to a map display. A method includes but is not limited to receiving a request for the map, the map illustrating one or more locations; determining a status associated with at least one of the one or more locations on the map, the status being a function of one or more location interaction rules associated with the at least one of the one or more locations on the map; and generating a signal related to indicating on the map the status associated with the at least one of the one or more locations.

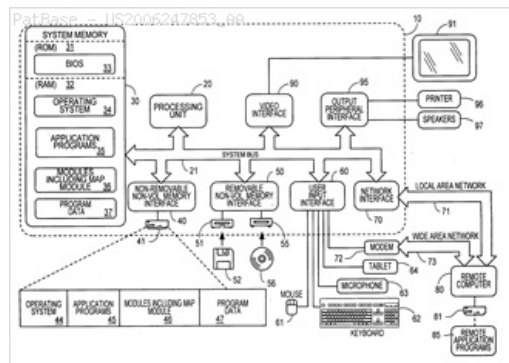
Classifications:

International (IPC 8-9): G01C21/00 G01C21/20 G01C21/34
G01C21/36 G06T11/00 G09G5/00 H04L29/08 (Advanced/Invention);
G06F19/00 G08G1/0969 (Advanced/Non-invention);
G01C21/00 G01C21/34 (Core/Invention)

CPC: G01C22/00 G01C21/3626 G06T11/001 G01C21/3682
H04L67/22

European: G01C21/36G G01C22/00

US: 1/1 340/995.12 340/995.19 340/995.190S 345/581 345/589
345/619 345/619P 701/117 701/200 701/200P 701/202 701/202S
701/209 701/209P 701/211 701/341 701/400 701/431 701/439
701/439P 701/454 701/454P 709/224



Family:

Publication number	Publication date	Application number	Application date
 US2006247853 AA	20061102	US20050124626	20050430
 US2009177375 AA	20090709	US20090406478	20090318
 US2012092365 AA	20120419	US20110136600	20110804
 US2013304366 AA	20131114	US20130757538	20130201
 US2014333650 AA	20141113	US20140276791	20140513
  US7522996 BB	20090421	US20050124626	20050430
  US7860648 BB	20101228	US20090406478	20090318
  US7860648 K1	20200529	US20090406478	20090318
  US8392114 BB	20130305	US20110136600	20110804
  US8768610 BB	20140701	US20130757538	20130201
  US9214033 BB	20151215	US20140276791	20140513

Priority:

US20050124626	20050430	US20050142626	20050430	US20050142626	20050601
US20090406478	20090318	US20100928446	20101209	US20110136600	20110804
US20130757538	20130201	US20140276791	20140513		

Probable Assignee: LOCATION BASED SERVICES LLC

Assignee(s): (std): INVENTION SCIENCE FUND I LLC ; JUNG EDWARD K ; LEVIEN ROYCE A ; LORD ROBERT W ; MALAMUD MARK A ; RINALDO JOHN D JR ; SEARETE LLC ; STATE OF DELAWARE SEARETE LLC A LTD LIABILITY CORP OF ; RINALDO JR JOHN D ; JUNG EDWARD K Y

Assignee(s): JUNG EDWARD KY ; LOCATION BASED SERVICES LLC ; THE INVENTION SCIENCE FUND I LLC ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; STATE OF DELAWARE SEARETE LLC A LIABILITY OF CORP LTD

Inventor(s): (std): JUNG EDWARD K ; LEVIEN ROYCE A ; LORD ROBERT W ; MALAMUD MARK A ; RINALDO JOHN D JR ;
RINALDO JR JOHN D ; JUNG EDWARD K Y

Inventor(s): JUNG EDWARD ; RINALDO JOHN D ; RINALDO JOHN ; MALAMUD MARK ; LORD ROBERT ; LEVIEN ROYCE ; JUNG EDWARD KY ; RINALDO JOHN DJR

Agent(s): ANDERSON AND JANSSON LLP; LEE AND HAYES PLLC

7) Family number: 32304975 (US2002021247A)

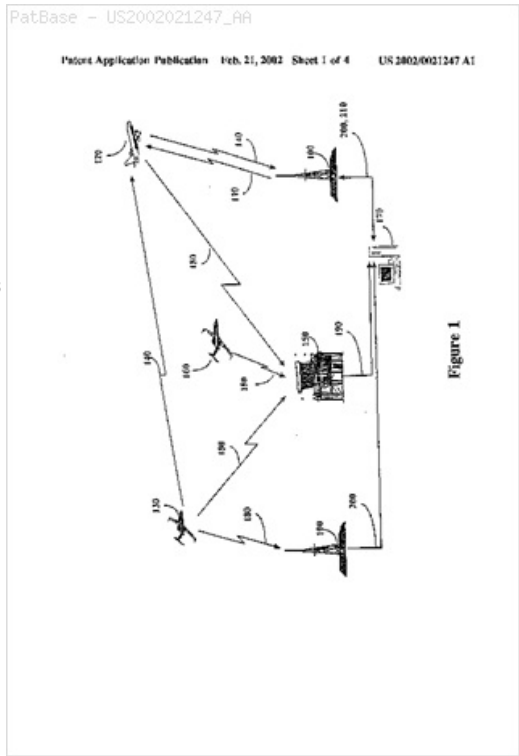
Title: METHOD AND APPARATUS FOR IMPROVING UTILITY OF AUTOMATIC DEPENDENT SURVEILLANCE

Abstract: The surveillance system provides a means to augment Automatic Dependent Surveillance--Broadcast (ADS-B) with "look alike ADS-B" or "pseudo ADS-B" surveillance transmissions for aircraft which may not be ADS-B equipped. The system uses ground based surveillance to determine the position of aircraft not equipped with ADS-B, then broadcasts the identification/positional information over the ADS-B data link. ADS-B equipped aircraft broadcast their own position over the ADS-B data link. The system enables aircraft equipped with ADS-B and Cockpit Display of Traffic Information (CDTI) to obtain surveillance information on all aircraft whether or not the proximate aircraft are equipped with ADS-B.

Classifications:

Classifications
International (IPC 8-9): E01C7/00 G01B3/44 G01N25/56 G01N5/02
G01S1/24 G01S1/30 G01S11/02 G01S13/00 G01S13/02 G01S13/06
G01S13/08 G01S13/58 G01S13/66 G01S13/72 G01S13/78
G01S13/86 G01S13/87 G01S13/91 G01S13/93 G01S19/03
G01S19/11 G01S19/14 G01S19/20 G01S19/48 G01S3/00 G01S3/02
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G06F19/00 G06F7/70 G06F9/44 G06G7/70 G06G7/72 G06G7/76
G06Q10/00 G06Q40/00 G08B1/08 G08B21/00 G08B23/00 G08G5/00
G08G5/02 G08G5/04 G08G5/06 G08G7/78 H01Q21/29
H01Q3/24 (Advanced/Invention);
H01C7/00 G01B3/38 G01N25/56 G01N5/00 G01S1/00 G01S13/00

G01S19/00 G01S3/00 G01S3/02 G06F17/50 G06F19/00 G06F9/44
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G08G5/00 (Core/Invention)
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CPC: G01S5/0263 G01S11/02 G01S13/78 G01S13/93 G08G5/0008
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G01S1/30 G01S5/0027 G01S5/0221 G01S5/04 G01S5/06 G01S7/003
G08G5/0026 G01S13/933 G01S7/40 G01S13/781 G01S2007/4091
G08G5/0013 G08G5/0082 G01S19/072
European: E01C23/00 G01H17/00 G01S11/02 G01S13/00B
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G01S13/78 G01S13/78B G01S13/86 G01S13/87E G01S13/91
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G01S5/02H1 G01S5/02T G01S5/04 G01S5/06 G01S5/22 G01S7/00R
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G08G5/02E H01Q21/29 H01Q3/24 S01S13/91C S01S5/02R
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US: 34/126 34/453 340/539.13 340/539.130S 340/686.1
340/686.100S 340/945 340/963 340/963P 340/972 340/981
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