

Search query (8): [SP]: missile system including ads-b receiver the disclosure presents at least one example of a missile system, method, and/or computer program product. the missile system may, for example, include a radar, an automatic dependent surveillance broadcast ("ads-b") receiver, a missile launcher, and a control station. the missile system may, for example, be configured to handle various situations such as when only ads-b data relating to an airborne entity is available, only radar data relating to the airborne entity is available or both ads-b data and radar data relating to the airborne entity are available. the missile system, may, for example, be a surface to air missile system.

Results: 6

Nicolas Vargas

Search history

Search TAC=(missile* and launch*) and IC=(F41F 7/00 or F41G 9/00) (Results 0)

1:

Search FT=(missile* and launch*) and IC=(F41F 7/00 or F41G 9/00) (Results 0)

2:

Search TAC=(missile*) and IC=(F41F 7/00 or F41G 9/00) (Results 0)

3:

Search TAC=(missile* and launch*) (Results 5096)

4:

Search TAC=(missile* and launch* and ads-b) (Results 1)

5:

Search TAC=(missile* and launch* and ads-b) (Results 1)

6:

Search [SP]: 1. a missile method comprising, determining that automatic dependent surveillance broadcast ("ads-b") data relating to an airborne entity was obtained determining whether or not radar data relating to the airborne entity was obtained determining whether or not to command missile launch against the airborne entity and if determined not to command missile launch, then refraining from commanding missile launch against the airborne entity. 2. the method of claim 1, wherein if radar data relating to the airborne entity was not obtained, then said determining whether or not to command missile launch against the airborne entity includes determining that a missile should not be launched against the airborne entity. 3. the method of claim 1, wherein said determining whether or not radar data relating to the airborne entity was obtained includes: determining whether or not radar data was obtained and if radar data was obtained, then determining whether or not said radar data pertains to the airborne entity at least partly based on comparing position data included in said radar data with position data included in said ads-b data. 4. the method of claim 1, further comprising: if determined to command missile launch, then commanding missile launch against the airborne entity. 5. the method of claim 1, wherein if determined that radar data relating to the airborne entity was obtained, then said determining whether or not to command missile launch includes: estimating that said entity is not hostile because ads-b data was obtained providing to an operator a result of said estimating and receiving an indication from the operator whether or not a missile should be launched against the airborne entity. 6. the method of claim 1, wherein if determined that radar data relating to the airborne entity was obtained, then said determining whether or not to command missile launch includes: estimating a likelihood that said entity is not hostile or hostile, including evaluating a likelihood that an identification consistent with a non-hostile entity, included in said ads-b data, is trustworthy or untrustworthy providing to an operator a result of said estimating and receiving an indication from the operator whether or not a missile should be launched against the airborne entity. 7. the method of claim 1, wherein said determining whether or not to command missile launch includes: estimating that said entity is not hostile because ads-b data was obtained and determining that a missile should not be launched. 8. the method of claim 1, wherein if determined that radar data relating to the airborne entity was obtained, then said determining whether or not to command missile launch includes: estimating a likelihood that said entity is not hostile or hostile, including evaluating a likelihood that an identification consistent with a non-hostile entity, included in said ads-b data, is trustworthy or untrustworthy and determining whether or not a missile should be launched against the airborne entity, at least partly based on a result of said estimating. 9. the method of claim 1, wherein if determined that radar data relating to the airborne entity was obtained, then said determining whether or not to command missile launch includes: providing to an operator an indication that ads-b data and radar data were obtained for the airborne entity and receiving an indication from the operator whether or not a missile should be launched against the airborne entity. 10. the method of claim 1, wherein missile launch is not commanded against the airborne entity if it is estimated that a likelihood of said entity being not hostile is above a predetermined threshold, at least partly based on an evaluation that a likelihood of an identification consistent with a non-hostile entity, included in said ads-b data, being trustworthy is above a predefined percentage. 11. the method of claim 1, wherein missile launch is not commanded against the airborne entity because ads-b data was obtained. 12. the method of claim 1, wherein said missile is a surface to air missile. 13. a missile system, comprising: a launch control configured to determine that automatic dependent surveillance broadcast ("ads-b") data relating to an airborne entity was obtained, to determine whether or not radar data relating to the airborne entity was obtained, to determine whether or not to command missile launch against the airborne entity, and to refrain from commanding missile launch against the airborne entity if determined not to command missile launch. 14. the system of claim 13, further comprising: an ads-b receiver. 15. the system of claim 13, further comprising: a missile launcher. 16. the system of claim 13, further comprising: a radar. 17. the system of claim 13, being a surface to air missile system. 18. the system of claim 13, wherein said launch control is configured to refrain from commanding missile launch against the airborne entity, if it is estimated that a likelihood of said entity being not hostile is above a predetermined threshold, at least partly based on an evaluation that a likelihood of an identification consistent with a non-hostile entity, included in said ads-b data, being trustworthy is above a predefined percentage. 19. the system of claim 13, wherein said launch control is configured to refrain from commanding missile launch against the airborne entity because ads-b data was obtained. 20. a computer program product, comprising a computer readable medium having computer readable program code embodied therein, the computer program product comprising: computer readable program code for causing the computer to determine that automatic dependent surveillance broadcast ("ads-b") data relating to an airborne entity was obtained computer readable program code for causing the computer to determine whether or not radar data relating to the airborne entity was obtained computer readable program code for causing the computer to determine whether or not to command missile launch against the airborne entity and computer readable program code for causing the computer to refrain from commanding missile launch against the airborne entity if determined not to command missile launch. (Results 0)

Search [SP]: missile system including ads-b receiver the disclosure presents at least one example of a missile system, method, and/or computer program product. the missile system may, for example, include a radar, an automatic dependent surveillance broadcast ("ads-b") receiver, a missile launcher, and a control station. the missile system may, for example, be configured to handle various situations such as when only ads-b data relating to an airborne entity is available, only radar data relating to the airborne entity is available or both ads-b data and radar data relating to the airborne entity are available. the missile system, may, for example, be a surface to air missile system. (Results 6)

1) Family number: 3055995 (US4843459A)

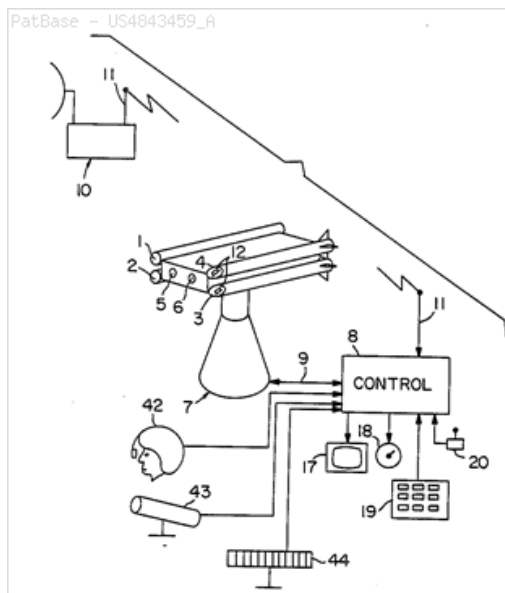
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Title: Method and device for the display of targets and/or target positions using data acquisition means of a weapons system

Abstract: Source: US4843459A The invention pertains mainly to a method and a device for the display of targets and/or target positions using the data acquisition means of a weapons system. The device of the present invention can be used to display the target or the direction of the target acquired by missile homing heads. This data comes as a complement, and other data on the position of the target is used to ascertain that the homing head is properly locked on as well as to supplement any lack of information caused, for example, by a breakdown in the display systems. The invention can be applied mainly to the building of anti-aircraft defense launching platform or anti-aircraft and anti-tank launching platform.

Classifications:

International (IPC 8-9): F41G3/00 F41G7/00 (Advanced/Invention);
F41G3/00 F41G7/00 (Core/Invention)
International (IPC 1-7): F41G3/00 F41G7/0 F41G7/22 F41G9/00
G06F15/50 H04N7/18
CPC: F41G7/007
European: F41G7/00F
US: 244/3.13 244/3.16 340/980 342/45 342/53 342/55 348/116
358/105 358/108 358/110 358/93



Family:

Publication number	Publication date	Application number	Application date
AR247022 A1	19941031	AR19870308643	19870907
CA1305886 A1	19920804	CA19870546316	19870908
DE3780888 D1	19920910	DE19873780888	19870904
DE3780888 T2	19921224	DE19873780888T	19870904
DK168966 B1	19940718	DK19870004641	19870907
DK464187 A	19880310	DK19870004641	19870907
DK464187 A0	19870907	DK19870004641	19870907
EP0260191 A1	19880316	EP19870401992	19870904
EP0260191 B1	19920805	EP19870401992	19870904
ES2033901 T3	19930401	ES19870401992T	19870904
FR2603695 A1	19880311	FR19860012618	19860909
FR2603695 B1	19901019	FR19860012618	19860909
JP63075492 A2	19880405	JP19870223827	19870907
US4843459 A	19890627	US19870091591	19870831

Priority:

CA19870546316 19870908 FR19860012618 19860909

Probable Assignee: THOMSON CSF

Assignee(s): (std): THOMSON CSF ; THOMSON LSF

Assignee(s): THOMSON CSF 173 BD HAUSSMANN 75008 PARIS FRANCE ; THOMSON CSF PUTEAUX FR ; PERRIN JACQUES ; SINAUD PASCAL

Inventor(s): (std): JACQUES PERRIN ; JIYATSUKU PERAN ; PASCAL SINAUD ; PASUKARU SHINO ; PERRIN JACQUES ; SINAUD PASCAL

Inventor(s): SINAUD PASCAL F 92045 PARIS LA DEFENSE CEDEX 67 FR

Agent(s): GOUDREAU GAGE DUBUC

Designated states: BE CH DE ES FR GB IT LI NL SE

2) Family number: 11678280 (US5347910A)

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Title: Target acquisition system

Abstract: Source: US5347910A A target acquisition system for a mobile air defense system is capable of acquiring and engaging targets in rapid sequence while mounted on a moving vehicle. It incorporates a gyro stabilized turret drive system, an optical sight, a forward looking infrared scanner, an infrared guided missile subsystem, an onboard computer, and system controls and displays. The turret drive will maintain a particular elevation and azimuth regardless of the motion of the vehicle on which the turret is mounted so that the target tracking system need not account for movement of the vehicle over the ground. The optical sight projects a set of reticles on a combining glass in front of the gunner, which shows the target on which the missile seeker is locked as well as the target at which the turret is pointed so that gunner can insure that the missile is locked on the correct target. Critical systems status signals are also displayed on the sight reticle by use of symbology so the gunner can monitor the key systems without taking his eyes off the target. The missile system controls eight missiles, two being activated at any one time, and notifies the gunner by an audio tone that the missile is locked onto a target and is ready to fire. The missile firing sequence is automatically controlled by the control electronics and inserts super elevation and lead angle automatically, and selects and activates the next missile to be fired without delay.

Classifications:

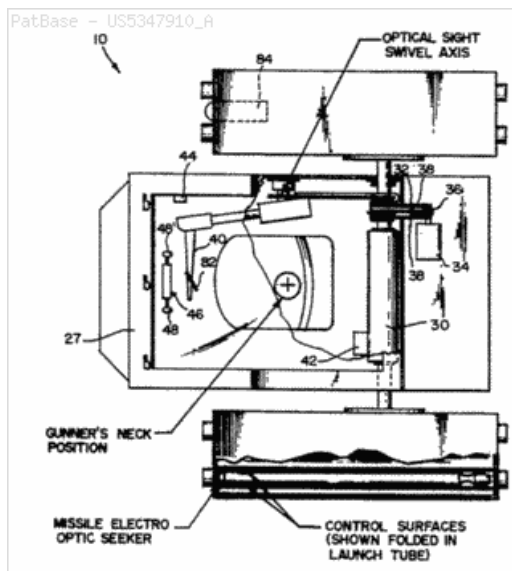
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International (IPC 1-7): F41G3/22

CPC: F41G3/165 F41G3/22 F41G5/16 F41G7/007 F41G7/2253
F41G7/2293

European: F41G3/16B F41G3/22 F41G5/16 F41G7/00F F41G7/22M
F41G7/2203

US: 235/411 89/41.06 89/41.22



Family:

Publication number	Publication date	Application number	Application date
US5347910 A	19940920	US19850787212	19851015

Priority:

US19850787212 19851015

Probable Assignee: BOEING CO

Assignee(s): (std): BOEING CO

Assignee(s): THE BOEING COMPANY

Inventor(s): (std): AVILA CARL A ; HACK KENNETH W ; HIBBERT JOHN A

3) Family number: 28211646 (EP1293799A2)

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Title: Method for determining an air situation in a combat vehicle and device for carrying out the method therefor

Abstract: The vehicle has a turret (T) carrying weapons (W) and a radar set with hydraulic azimuth and elevation drives for the dish (SR1). The equipment includes a transmitter (SR2), a receiver (SR3) and an electric power supply. There is an Identification Friend or Foe system (SR'-IFF) associated with the radar set and mounted in the turret.

Classifications:

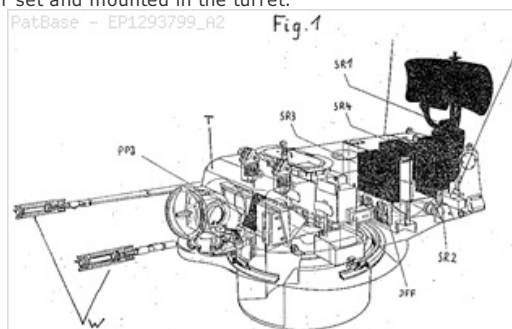
International (IPC 8-9): F41G5/08 G01S13/72 (Advanced/Invention);

F41G5/00 G01S13/00 (Core/Invention)

International (IPC 1-7): F41G5/08 G01S13/72 G01S7/295

CPC: F41G5/08 G01S13/723

European: F41G5/08 G01S13/72B



Family:

Publication number	Publication date	Application number	Application date
DE10145641 A1	20030410	DE20011045641	20010915
DE50204667 D1	20051201	DE20025004667	20020910
EP1293799 A2	20030319	EP20020020218	20020910
EP1293799 A3	20040128	EP20020020218	20020910
EP1293799 B1	20051026	EP20020020218	20020910

Priority:

DE20011045641 20010915 DE20025004667 20020910

Probable Assignee: KRAUSS MAFFEI WEGMANN GMBH AND C

Assignee(s): (std): KRAUSS MAFFEI WEGMANN GMBH AND C

Assignee(s): KRAUSS MAFFEI WEGMANN GMBH AND CO KG

Inventor(s): (std): TIETZE DIPL ING ; TIETZE WERNER DIPL ING ; TIETZE WERNER ; KEMPIN MANFRED

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

4) Family number: 30340251 (EP1394495A1)

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Title: APPARATUS FOR FIGHTING AGAINST TARGETS

Abstract: The missile launcher (1) has a tube (7) mounted on trunnions on a rotatable column (6) so that it may be aimed in the general direction of a target, e.g. an enemy helicopter (2), as determined by acoustic sensing. The guided missile (14) with an infrared target-seeking head (15) is loaded into the tube ready for use. The rotatable column supporting the tube may be mounted on a housing (3) which contains the microprocessor and other electronic equipment. There are stabilizing legs (8) resting on the ground (9) and carrying microphones (10) and level sensors (11). The noise made by the helicopter is recognized and its level is assessed, and the missile may be launched when the noise gets sufficiently loud.

Classifications:

International (IPC 8-9): F41G5/08 F41G5/12 F41G7/22

F41G7/26 (Advanced/Invention);

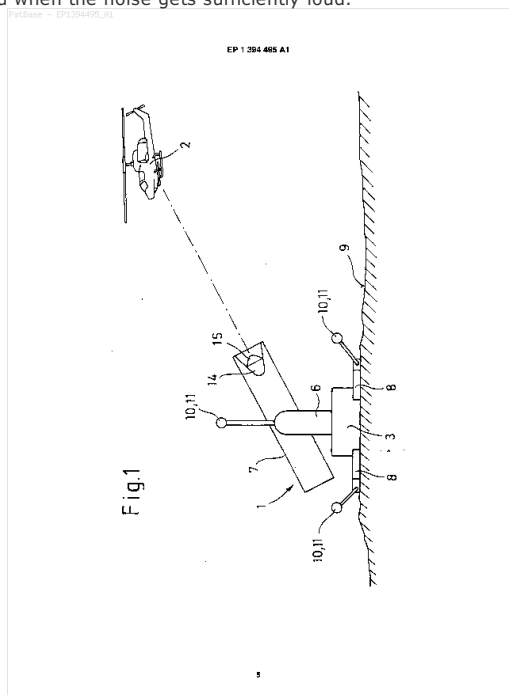
F41G5/00 F41G7/20 (Core/Invention)

International (IPC 1-7): F41G1/46 F41G5/08 F41G5/12 F41G7/22

F41G7/26 G01S15/88 G01S5/18

CPC: F41G5/12 F41G5/08 F41G7/2253 F41G7/2293

European: F41G5/08 F41G5/12 F41G7/22 F41G7/22M F41G7/22O3



Family:

Publication number	Publication date	Application number	Application date
CA2437374 AA	20040229	CA20032437374	20030814
CA2437374 C	20101019	CA20032437374	20030814
DE10240314 A1	20040311	DE20021040314	20020831
DE50301073 D1	20051006	DE20035001073	20030625
EP1394495 A1	20040303	EP20030014218	20030625
EP1394495 B1	20050831	EP20030014218	20030625
IL157599 A0	20040328	IL20030157599	20030826
NO20032967 A0	20030627	NO20030002967	20030627
NO327291 B1	20090602	NO20030002967	20030627

Priority:

CA20032437374 20030814 DE20021040314 20020831 DE20035001073 20030625

Probable Assignee: RHEINMETALL WAFFE MUNITION GMBH

Assignee(s): (std): RHEINMETALL W AND M GMBH ; RHEINMETALL WAFFE MUNITION ; RHEINMETALL WAFFE MUNITION GMB

Assignee(s): RHEINMETALL WAFFE MUNITION GMBH ; SEIDEL WOLFGANG ; HERRMANN RALF JOACHIM

Inventor(s): (std): SEIDEL WOLFGANG DR ; SEIDEL WOLFGANG ; SEIDEL WOLFANG ; SEIDEL DR ; HERRMANN RALF JOACHIM DR ; HERRMANN RALF JOACHIM ; HERRMANN DR

Agent(s): FETHERSTONHAUGH AND CO

Designated states: DE FR GB SE

5) Family number: 47850851 (US2010315281A)

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Title: AIRSPACE RISK MITIGATION SYSTEM

Abstract: Source: US2010315281A An airspace risk mitigation system includes a plurality of airspace input sources, an airspace data fusion and sensor coordination system, a communications link, and a risk mitigation support system. The airspace input sources includes a radar for generating radar data for an airspace, and an Automatic Dependent Surveillance-Broadcast (ADS-B) receiver for generating additional data for the airspace. The airspace data fusion and sensor coordination system is configured to receive airspace data from the plurality of airspace input sources, correlating airspace data with new or known objects in the airspace, fusing airspace data into a common airspace data set, and generating target and system status information. The risk mitigation support system is configured to calculate a risk associated with aircraft operation in the airspace as a function of the target and system status information.

Classifications:

International (IPC 8-9): G01S13/00 G01S13/93

G06F17/10 (Advanced/Invention)

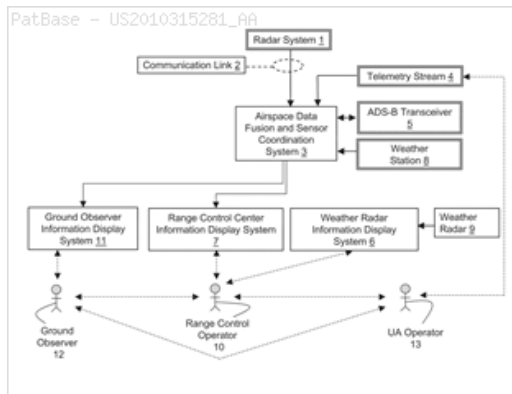
CPC: G01S7/003 G01S13/91 G01S13/951 G08G5/0013 G08G5/0026

G01S13/9303 G01S7/22

European: G01S13/91 G01S13/93A G01S7/00R G01S7/22

G08G5/00A4 G08G5/00B4 S01S13/95A

US: 342/179 342/30 342/30P 342/36 703/2 703/2S



Family:

Publication number	Publication date	Application number	Application date
US2010315281 AA	20101216	US20100813276	20100610
US2014028485 AA	20140130	US20120672052	20121108
US8368584 BB	20130205	US20100813276	20100610

Priority:

US20090185790P 20090610 US20100813276 20100610 US20120672052 20121108

Probable Assignee: OF NORTH DAKOTA UNIV

Assignee(s): (std): ASKELSON MARK ANTHONY ; MARSH RONALD ARTHUR ; REZA HASSAN ; UNIV NORTH DAKOTA ; TRAPNELL BENJAMIN M ; YOUNG TIMOTHY RAYMOND ; THEISEN CHRISTOPHER JOSEPH

Assignee(s): THE UNIVERSITY OF NORTH DAKOTA ; OF NORTH DAKOTA UNIV

Inventor(s): (std): ASKELSON MARK ; MARSH RONALD ARTHUR ; REZA HASSAN ; THEISEN CHRISTOPHER JOSEPH ; TRAPNELL BENJAMIN M ; YOUNG TIMOTHY RAYMOND ; NORDLIE JOHN CONRAD ; ASKELSON MARK ANTHONY

Agent(s): KINNEY AND LANGE PA

6) Family number: 58733407 (US2016216073A)

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Title: MISSILE SYSTEM INCLUDING ADS-B RECEIVER

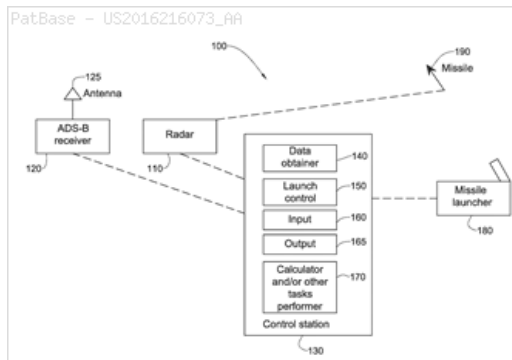
Abstract: Source: US2016216073A The disclosure presents at least one example of a missile system, method, and/or computer program product. The missile system may, for example, include a radar, an Automatic Dependent Surveillance Broadcast ("ADS-B") receiver, a missile launcher, and a control station. The missile system may, for example, be configured to handle various situations such as when only ADS-B data relating to an airborne entity is available, only radar data relating to the airborne entity is available or both ADS-B data and radar data relating to the airborne entity are available. The missile system, may, for example, be a surface to air missile system.

Classifications:

International (IPC 8-9): F41F7/00 F41G F41G7/00 F41G9/00 F42B15/01 G01S13/88 (Advanced/Invention); F41F F41G (Subclass/Invention)

CPC: F41G9/00 F42B15/01 G01S13/883 F41G7/007

US: 342/62



Family:

Publication number	Publication date	Application number	Application date
CL2016000806 A1	20160923	CL2016000806	20160407
CO16115296 A2	20160831	CO20160115296	20160504
EP3055638 A1	20160817	EP20140851697	20141006
EP3055638 A4	20161026	EP20140851697	20141006
IL228789 A0	20140227	IL20130228789	20131008
IL228789 A1	20160331	IL20130228789	20131008
IN201627009543 A	20161111	IN201627009543	20160318
KR20160089897 A	20160728	KR20167012051	20141006
SG11201601650R A1	20160428	SG20161101650	20141006
US2016216073 AA	20160728	US20140025840	20141006
WO15052707 A1	20150416	WO2014IL50873	20141006

Priority:

IL20130228789 20131008 WO2014IL50873 20141006

Probable Assignee: ISRAEL AEROSPACE IND LTD

Assignee(s): (std): BONEN URI ; ISRAEL AEROSPACE IND LTD

Assignee(s): URI BONEN

Inventor(s): (std): BONEN URI

Inventor(s): URI BONEN

Agent(s): ESTUDIO CAREY LTDA; TOBOS MATEUS ANDREA; ANDREA TOBOS MATEUS; ZACCO GMBH; REINHOLD COHN AND PARTNERS; HAUSMAN EHUD

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