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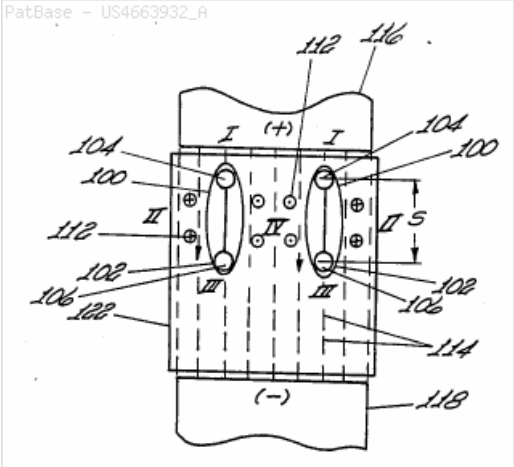
Search 1: RF and resonant and cavity and thruster and antenna and electromagnetic (Results 18)

Title: DIPOLAR FORCE FIELD PROPULSION SYSTEM

Abstract: A dipolar force field propulsion system having a alternating electric field source for producing electromotive lines of force which extend in a first direction and which vary at a selected frequency and having an electric field strength of a predetermined magnitude, a source of an alternating magnetic field having magnetic lines of force which extend in a second direction which is at a predetermined angle to the first direction of the electromotive lines of force and which cross and intercept the electromotive line of force at a predetermined location defining a force field region and wherein the frequency of the alternating magnetic field substantially equal to the frequency of the alternating electric field and at a selected in phase angle therewith and wherein the magnetic field has a flux density which when multiplied times the selected frequency is less than a known characteristic field ionization potential limit; a source of neutral particles of matter having a selected dipole characteristic and having a known characteristic field ionization potential limit which is greater than the magnitude of the electric field and wherein the dipoles of the particles of matter are capable of being driven into cyclic rotation at the selected frequency by the electric field to produce a reactive thrust, a vaporizing stage which vaporizes said particles of matter into a gaseous state at a selected temperature, and a transporting system for transporting the vaporized particles of matter into the force field defined by the crossing electromotive lines of force and the magnetic lines of force.

Classifications:

International (IPC 8-9): F03H99/00 H02K44/02 (Advanced/Invention);
F03H99/00 H02K44/00 (Core/Invention)
International (IPC 1-7): F03H5/00 G21K1/00
CPC: Y10S505/902 Y10S505/909 Y10S376/909 Y10S376/91
F03H99/00 H02K44/02
European: F03H99/00 H02K44/02
US: 250/251 313/359.1 315/5.41 315/501 328/233 376/318 376/909
376/910 505/902 505/909 60/200.1 60/202 60/203.1



Family:

Publication number	Publication date	Application number	Application date
US4663932 A	19870512	US19820401526	19820726
US4891600 A	19900102	US19870045040	19870430

Priority:

US19820401526 19820726 US19870045040 19870430

Probable Assignee:

Assignee(s): (std): COX JAMES E
Inventor(s): (std): COX JAMES E

Title: Mobile assault logistic kinetmatic engagement device

Abstract: A portable-mobile-self propelled weapons platform. Said platform being propelled by an automated array of plasma engines coupled to a plasma source, energy source and further being coupled to energy weapon systems.

Classifications:

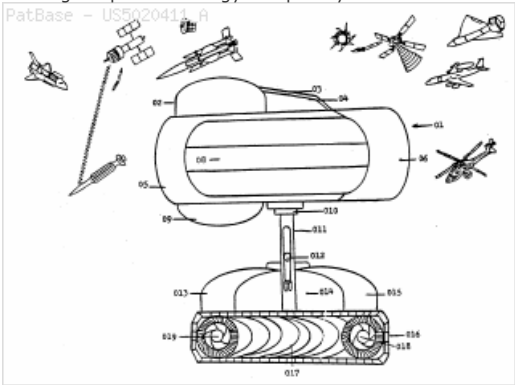
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European: F02G1/043 F03H99/00 F41A23/00 F41B6/00 F41H13/00F R02G243/52

US: 376/319 60/203.1 89/1.11 89/8



Family:

Publication number	Publication date	Application number	Application date
US5020411 A	19910604	US19890277122	19890306

Priority:

US19890277122 19890306

Probable Assignee:

ROWAN LARRY

Assignee(s): (std):

ROWAN LARRY

Inventor(s): (std):

ROWAN LARRY

Title: HIGH POWER UMBILICALS FOR SUBTERRANEAN ELECTRIC DRILLING MACHINES AND REMOTELY OPERATED VEHICLES

Abstract: The method of providing in excess of 60 kilowatts of electrical power to the electrical motor of a subterranean electric drilling machine through a substantially neutrally buoyant composite umbilical containing electrical conductors to reduce the frictional drag on the neutrally buoyant umbilical. Drilling and casing subterranean monobore wells are contemplated to distances of 20 miles from a wellsite. For drilling applications, the umbilical possesses a drilling fluid conduit. The umbilical also possesses high speed data communications such as a fiber optic cable or a coaxial cable that is used in the feedback control of the downhole electric drilling motor. Such umbilicals are also useful to provide power to remotely operated vehicles for subsea well servicing applications.

Classifications:

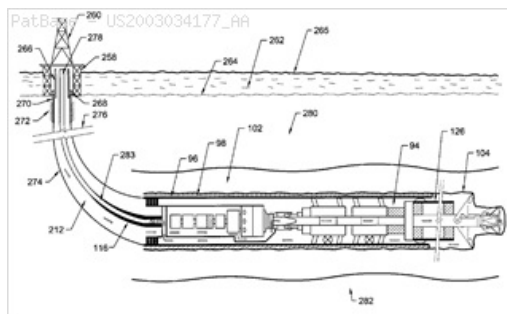
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US: 114/312 114/322 114/328 166/241.1 166/241.100S 166/250.01 166/250.15 166/250.150P 166/272 166/272.1 166/285 166/285S 166/291 166/292 166/292S 166/302 166/347 166/360 166/367 166/369 166/38 166/380 166/380S 166/386 166/53 166/53S 166/54 166/57 166/61 166/65.1 166/65.100S 166/66.4 166/66.7 166/667 175/101 175/104 175/107 175/107S 175/171 175/22 175/257 175/261 175/309 175/318 175/320 175/324 175/327 175/40 175/40P 175/57 175/57P 175/61 175/65 175/65P 175/92 175/97 264/108 340/853.3 405/191 428/36.3 701/32.8 702/12 702/144 702/42 73/777



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Probable Assignee: SMART DRILLING AND COMPLETION INC

Assignee(s): (std): VAIL III WILLIAM BANNING ; VAIL III WILLIAM B ; VAIL WILLIAM BANNING ; SMART DRILLING AND COMPLETION ; VAIL WILLIAM B III ; SMART DRILLING AND COMPLETION INC ; VAIL WILLIAM BANNING III ; CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; SKERL DAMIR S ; DEKLE ROBERT L ; WEATHERFORD LAMB

Assignee(s): WEATHERFORD LAMB INC ; WEATHERFORD TECHNOLOGY HOLDINGS LLC ; SMAART DRILLING AND COMPLETION INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; WEATHERFORD AND LAMB INC

Inventor(s): (std): CHITWOOD JAMES E ; DEKLE ROBERT L ; CROSSLAND WILLIAM G ; DAMIR S SKERL ; SKERL DAMIR S ; SKERL DAMIER S ; ROBERT L DEKLE ; JAMES E CHITWOOD ; MOMII STEVEN T ; SCHWINBERG PAUL B ; SKERL TOMISLAV ; VAIL III WILLIAM B ; VAIL III WILLIAM BANNING ; VAIL WILLIAM BANNING ; VAIL WILLIAM BANNING III ; VAIL WILLIAM B III ; WILLIAM G CROSSLAND ; WILLIAM BANNING III VAIL

Inventor(s): VAIL WILLIAM ; CHITWOOD JAMES ; VAIL WILLIAM BIII ; VAIL ; III WILLIAM BANNING

Agent(s): GOODWIN MCKAY; PARLEE MCLAWS LLP; PATTERSON AND SHERIDAN LLP; WILLIAM BANNING VAIL III; MOSER PATTERSON AND SHERIDAN LLP; SHERIDAN ROSS PC

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 KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Dual compensated chlorine logging tool

Abstract: A well logging tool has a neutron source for irradiating formation surrounding a borehole. Two detectors are mounted in a spaced-apart vertical relationship within the tool pressure-resistant housing. Each detector detects capture gamma radiation across the entire gamma ray energy spectrum, windows are set in this spectrum to separate two distinct energy ranges, thereby generating a total of four independent sets of signals, two for each detector. One set of signals is indicative of the hydrogen content and insensitive to the chlorine content of the irradiated formation. The second set of signals is indicative of the hydrogen plus the chlorine content of the irradiated formation. By comparing the sets of signals in two proportional energy ranges, the logging tool allows to generate a log that helps determine the presence or absence of hydrocarbon or salt water in the formation.

Classifications:

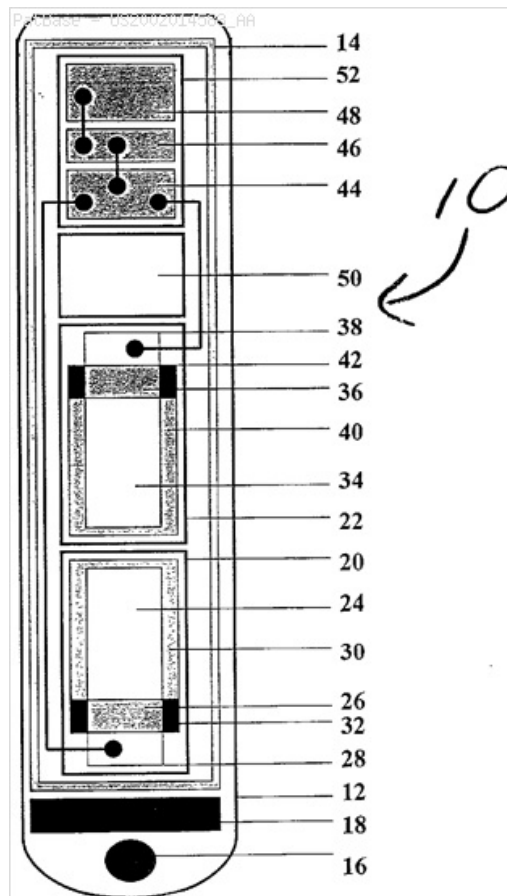
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

Assignee(s): (std): DAVID JOHN ; HARDING RICHARD PATRICK ; HAUGEN DAVID M ; HORST CLEMENS L ; NUTH DAVID ; NUCLEAR RESERVOIR EVALUATION I ; MORSY HATEM M SALEM ; HOSIE DAVID ; ROESNER THOMAS ; MALLOY ROBERT ; SENN STEPHEN ; PITTS ROBERT ; ROBERTS JOHN D ; HOSIE DAVID G ; NERO MICHAEL ; JOLLY WAYNE R ; BOTHNER RONALD E ; COLLINS RONALD B ; WEATHERFORD LAMB ; WILSON PAUL ; STANDLEY TOM ; TILTON FREDERICK T ; WEATHERFORD LAMB INC

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ 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 MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SPACECRAFT **THRUSTER**

Abstract: A **thruster** (1) has a main chamber (6) defined within a tube (2). The tube has a longitudinal axis which defines an axis (4) of thrust; an injector (8) injects ionizable gas within the tube, at one end of the main chamber. An ionizer (124) is adapted to ionize the injected gas within the main chamber (6). A first magnetic field generator (12, 14) and an **electromagnetic** field generator (18) are adapted to generate a magnetized ponderomotive accelerating field downstream of said ionizer (124) along the direction of thrust on said axis (4). The **thruster** (1) ionizes the gas, and subsequently accelerates both electrons and ions by the magnetized ponderomotive force.

Classifications:

International (IPC 8-9): B64G B64G1/26 F03H1/00 G21K1/00
G21K5/04 H05H1/54 (Advanced/Invention);
B64G1/24 F03H1/00 G21K1/00 G21K5/04 H05H1/00 (Core/Invention);
B64G F03H (Subclass/Invention)

International (IPC 1-7): F03H1/00

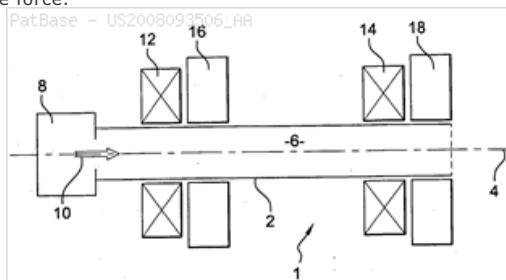
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European: F03H1/00M H05H1/54

US: 244/169 244/169P 244/173.1 244/173.100S 60/200.1
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JP F-Term: 2G082 2G084 2G084/AA12 2G084/AA22 2G084/BB01
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2G084/HH57 3D144

JP F-Index: F03H1/00/A G21K1/00/A G21K5/04/A H05H1/54

**Family:**

Publication number	Publication date	Application number	Application date
AT454553 E	20100115	AT20040292270T	20040922
CN101027481 A	20070829	CN200580031970	20050921
CN101027481 B	20100825	CN200580031970	20050921
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DE602004040898 D1	20130321	DE200460040898T	20040922
DE602004040910 D1	20130321	DE200460040910T	20040922
EP1640608 A1	20060329	EP20040292270	20040922
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EP1995458 A1	20081126	EP20080012296	20040922
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EP2295797 A1	20110316	EP20100186316	20040922
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IL181612 A0	20070704	IL20070181612	20070227
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IL218516 A0	20120430	IL20050218516	20050921
IN01795DN2007 A	20070817	IN2007DN01795	20070307
IN268914 B	20150925	IN2007DN01795	20070307
JP2009509075 T2	20090305	JP20070532608T	20050921
JP5561901 B2	20140730	JP20070532608T	20050921
RU2007115079 A	20081027	RU20070115079	20050921
RU2445510 C2	20120320	RU20070115079	20050921
US2008093506 AA	20080424	US20050663025	20050921
US2013067883 AA	20130321	US20120671760	20121108
WO06110170 A2	20061019	WO2005US33632	20050921
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Priority:

EP20040292270 20040922 EP20080012296 20040922 EP20100186316 20040922
WO2005US33632 20050921 US20070663025 20070315 US20120671760 20121108

Probable Assignee: ELWING LLC

Assignee(s): (std): EHLVING LLS ; ELWING LLC ; EMSELLEM GREGORY ; LARIGALDIE SERGE ; ONERA ; ONERA OFF NAT AEROSPATIALE

Assignee(s): ONERA OFFICE NATIONAL D ETUDES ET DE RECHERCHES AEROSPATIALES ; ONERA OFFICE NATIONAL D'ETUDES ET DE ; ELWING LLC WILMINGTON

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Inventor(s): LARIGAL'DI SERZH ; EMSELLEM GREGORY 92340 ; EMSELLEM GREGORY LARIGALDIE SERGE

Agent(s): CABINET HIRSCH AND ASSOCIES; HIRSCH AND ASSOCIES; Hirsch &, Associés; SANFORD TCOLB AND CO; HARNESS DICKEY AND PIERCE PLC

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 KG KM KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PLASMA ELECTRIC GENERATION AND PROPULSION SYSTEM

Abstract: A system and apparatus for controlled fusion in a field reversed configuration (FRC) magnetic topology and conversion of fusion product energies directly to electric power. Preferably, plasma ions are magnetically confined in the FRC while plasma electrons are electrostatically confined in a deep energy well, created by tuning an externally applied magnetic field. In this configuration, ions and electrons may have adequate density and temperature so that upon collisions they are fused together by the nuclear force, thus forming fusion products that emerge in the form of an annular beam. Energy is removed from the fusion product ions as they spiral past electrodes of an inverse cyclotron converter. Advantageously, the fusion fuel plasmas that can be used with the present confinement and energy conversion system include advanced (aneutronic) fuels.

Classifications:

International (IPC 8-9): C23C16/00 G21B1/00 G21B1/05 G21B1/11 G21B1/15 G21B1/17 G21D7/00 H01J37/32 H01J7/24 H05H1/02 H05H1/08 H05H1/12 H05H1/22 H05H1/46 H05H13/00 (Advanced/Invention); G21B1/00 H01J7/24 H05H1/24 (Advanced/Non-invention); C23C16/00 G21B1/00 G21B1/05 G21B1/11 H01J7/00 H05H1/02 H05H1/46 H05H13/00 (Core/Invention); G21B H01J (Subclass/Invention)

International (IPC 1-7): G21B1/00 G21B1/00 H01J7/24

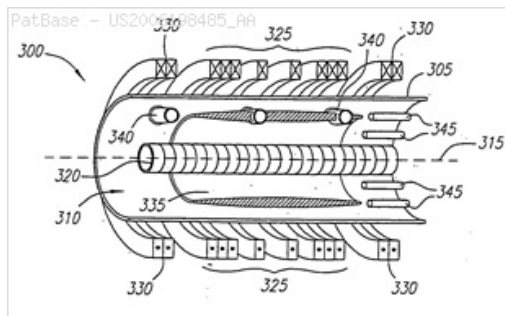
CPC: G21B1/05 Y02E30/126 G21B1/11 H01J37/32678 H05H1/24 Y02E30/122 H05H1/46 G21B1/15 G21B1/17 G21D7/00 G21B1/052

European: G21B1/05 G21B1/05R H01J37/32010D T01J237/325B4 Y02E30/12B Y02E30/12F

US: 1/1 118/723.00I 118/723.00IP 118/723I 315/111.21 315/111.210P 315/111.41 315/111.410P 315/111.410S 376/100 376/107 376/121 376/121P 376/121S 376/127 376/127P 376/134 376/144 376/147

JP F-Term: 2G078 2G084 2G084/AA21 2G084/AA22 2G084/BB02 2G084/BB21 2G084/CC07 2G084/CC08 2G084/CC13 2G084/CC33 2G084/DD03 2G084/DD13 2G084/DD25 2G084/DD37 2G084/DD66 2G084/FF14 2G084/FF26 2G084/FF27 2G084/FF29 2G084/FF39 2G084/FF40 2G085 2G085/AA11 2G085/AA16 2G085/BA06 2G084/BB03 2G084/BB35 2G084/CC34 2G084/FF38 2G084/HH02 2G084/HH12 2G084/HH15 2G084/HH16 2G084/HH19 2G084/HH20 2G084/HH52

JP F-Index: G21B1/00/A G21B1/00/B G21B1/00/E G21B1/05 G21B1/11/A G21B1/11/Z G21B1/17/A H05H1/46/L H05H13/00 H05H1/08

**Family:**

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Priority:

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Assignee(s): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 22 ; THE UNIV OF CALIFORNIA 22 ; THE UNIV OF CALIFORNIA SOC ORGANIZADA BAJO LAS LEYES DEL ESTADO DE CALIFORNIA ; THE UNIV OF CALIFORNIA OAKLAND ; UNIV ; THE UNIV ; REGENTS OF THE UNIV OF CALIFORNIA ; REGENTS OF THE UNIVERSITY OF CALIFORNIA ; UNIV OF CALIFORNIA ; THE UNVIERSTY OF CALIFORNIA ; THE UNIV CALIFORNIA ; OF CALIFORNIA UNIV

Inventor(s): (std): MICHEAL ANDERSON ; YUANXU SONG ; VITALY BYSTRITSKII ; VANDRIE ALAN ; VANDRIE A ; SONG Y ; ROSTOKER N ; NORMAN ROSTOKER ; ALAN VANDRIE ; WESSEL FRANK ; WANDRY ALAN ; SONG YUANXU ; SONG YUAN XU ; SON YUANSUI ; ROSTOKER NORMAN ; MICHL BINDERBAUER ; GARATE EUSEBIO ; FRANK WESSEL ; CHEUNG ALEX ; CHEUN ALEX ; BYSTRITSKII VITALY ; BYSTRITSKII VITALII ; BIENDERBAUER MICHL ; ANDRESON MICHAEL ; ANDERSON MICHAEL ; ALEX CHEUNG ; GARATE EUSEBLO ; BINDERBAUER MICHL ; MICHAEL ANDERSON ; GARATE E ; EUSEBIO GARATE ; CHENG ALEX ; BYSTRITSKII V ; BYSTRISKII VITALY ; ANDERSON M ; VITALY BYSTRITSKLL

Inventor(s): WESSEL FRANK IRVINE ; ALEX CHENG ; MICHEL ANDERSON ; ROSTOKER NORMAN IRVINE ; SONG YUANXU LAGUNA NIGUEL ; VANDRIE ALAN IRVINE ; ANDERSON MICHAEL HUNTINGTON BEACH ; ANDERSON MICHEAL ; BINDERBAUER MICHL LADERA RANCH ; BYSTRITSKII VITALY IRVINE ; BYSTRITSKLL VITALY ; CHEUNG ALEX IRVINE ; GARATE EUSEBIO IRVINE

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; VILLASECA; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; CURLEY DONNACHA JOHN; ISERN JORGE; DR MARK FRIEDMAN LTD; ORRICK HERRINGTON AND SUTCLIFFE LLP, IP PROSECUTION DEPARTMENT; ORRICK HERRINGTON AND SUTCLIFFE LLP IP PROSECUTION DEPARTMENT; ORRICK HERRINGTON AND SUTCLIFFE LLP; ONE LLP

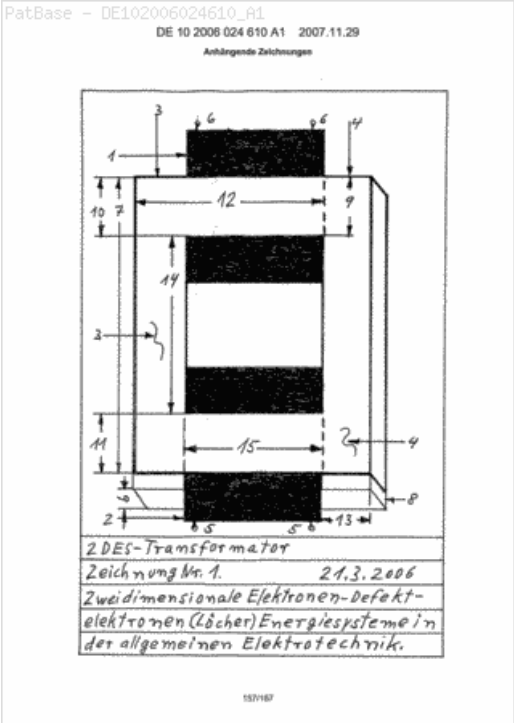
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG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

Title: BALLISTIC TWO-DIMENSIONAL ELECTRON-DEFECT ELECTRON-ENERGY SYSTEM, HAS TRANSFORMER COMPRISING SECONDARY COIL WITH TWO-DIMENSIONAL SECONDARY COIL SECTIONS THAT ARE CONNECTED WITH HIGH VOLTAGE FOR ACTIVATING TWO-DIMENSIONAL ELECTRON CONDITION

Abstract: The system has a transformer (1) comprising a primary coil (6) that is supplied with energy from a pulse generator or a high-frequency generator. A secondary coil (5) of the transformer has two-dimensional secondary coil sections that are connected with a direct-current high voltage for activating a two-dimensional electron condition, such that electrons and defect electrons are accelerated to a high orbital and mass level. A two-dimensional coil wire of the secondary coil is manufactured according to the application of principle of a capacitor and an inductor.

Classifications:

International (IPC 8-9): H02N11/00 (Advanced/Invention);
H02N11/00 (Core/Invention)
CPC: Y02E40/66 H02N11/002 H01F30/06 H01F36/00 H01F38/00
European: H01F30/06 H01F38/00 H02N11/00B T01F36/00



Family:

Publication number	Publication date	Application number	Application date
DE102006024610 A1	20071129	DE200610024610	20060526

Priority:

DE200610024610 20060526

Probable Assignee:

BLUM JUERGEN

Assignee(s): (std):

BLUM JUERGEN

Inventor(s): (std):

BLUM JUERGEN

Title: METHODS AND APPARATUS FOR REMOVAL AND CONTROL OF MATERIAL IN LASER DRILLING OF A BOREHOLE

Abstract: There is provided a system, apparatus and methods for removal of material for the path of a laser beam during laser drilling of a borehole and for removal of displaced borehole material from the borehole during laser drilling. In particular, there are provided paths, dynamics and parameters of fluid flows, and apparatus for obtaining such, for use in conjunction with a laser bottom hole assembly.

Classifications:

International (IPC 8-9): A61K48/00 B01J19/12 B08B7/00 B08B9/02 B08B9/023 B08B9/027 B08B9/055 B23K26/00 B23K26/04 B23K26/046 B23K26/06 B23K26/064 B23K26/073 B23K26/08 B23K26/10 B23K26/12 B23K26/122 B23K26/14 B23K26/16 B23K26/24 B23K26/352 B23K26/36 B23K26/38 B23K26/382 B23K26/40 B23K26/402 B23K26/70 B23P11/00 B63B17/00 B63B35/28 B63C11/40 B63C11/44 B63C11/48 B63G8/00 B63G8/08 B65H55/00 B65H59/00 E01C23/08 E01C23/12 E02B17/00 E02D17/00 E21B10/00 E21B10/50 E21B10/54 E21B10/60 E21B17/00 E21B17/20 E21B19/00 E21B19/22 E21B21/00 E21B21/08 E21B21/10 E21B21/14 E21B21/16 E21B23/00 E21B23/14 E21B29/00 E21B29/02 E21B29/06 E21B29/08 E21B29/12 E21B33/00 E21B33/06 E21B33/064 E21B33/12 E21B33/13 E21B34/04 E21B37/00 E21B4/02 E21B4/04 E21B41/00 E21B43/00 E21B43/11 E21B43/114 E21B43/116 E21B43/119 E21B43/24 E21B43/26 E21B43/267 E21B44/00 E21B47/00 E21B47/113 E21B47/12 E21B49/00 E21B7/00 E21B7/12 E21B7/14 E21B7/15 E21B7/16 E21C35/00 E21C37/16 E21C37/18 E21C41/00 E21D9/10 F21V15/01 F21V15/06 F21V29/00 F21V8/00 G01J1/04 G01M11/00 G01M5/00 G02B6/08 G02B27/14 G02B27/20 G02B6/02 G02B6/26 G02B6/28 G02B6/32 G02B6/36 G02B6/42 G02B6/44 H01J27/24 H01J40/14 H01L21/00 H01L31/00 H01L31/02 H01L31/0224 H01L31/0304 H01L31/05 H01L31/054 H01L31/055 H01S3/00 H01S3/04 H01S3/042 H01S3/067 H01S3/08 H01S3/094 H01S3/0941 H01S3/109 H01S3/16 H01S3/23 H01S3/30 H01S5/00 H01S5/022 H01S5/024 H01S5/042 H01S5/40 H02G1/08 H04B10/079 H04B10/80 H05K7/20 (Advanced/Invention); B08B7/00 B23K103/00 B63B19/00 B63B21/00 B63B35/00 E02B17/00 E21B15/00 E21B23/00 E21B43/00 E21B43/116 E21B43/16 E21B49/00 E21B7/04 E21B7/15 G02B6/32 G02B6/36 G02B6/38 G02B6/42 G02B6/50 H01S3/094 (Advanced/Non-invention); B65H55/00 E21B17/00 E21B7/00 E21B7/14 G02B6/44 (Core/Invention)

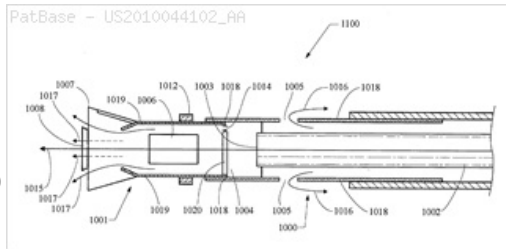
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Probable Assignee: FORO ENERGY INC

Assignee(s): (std): CLARK PHILIP V ; ELY JOHN ; FAIRCLOTH BRIAN O ; LAND MARK S ; KOBlick YESHAYA ; FORO ENERGY INC ; GRUBB DARYL L ; GRAY WILLIAM C ; KOLACHALAM SHARATH K ; JONES ALBERTUS REBECCA ; FRAZE JASON D ; FORD ENERGY INC ; FAIRDOTH BRIAN O ; HAVLINEK KENNETH L ; FORO EHNEDZHI INK ; KOLACHALAM SHARARTH ; KELLERMANN FRED C ; LINYAEV EUGENCE J ; KOLACHALAM SHARARTH K ; FORO ENERGY ; FORO ENERGY INC STAR ; RINZLER CHARLES C ; ZEDIKER MARK S ; MOXLEY JOEL F ; UNDERWOOD LANCE D ; SCHROIT SAM N ; MCKAY RYAN P ; MAKKI SIAMAK ; LINYAEV EUGENE J ; MARSHALL SCOTT A ; NORTON RYAN J ; MESNARD DAVID R ; VOLKMAR JOHN F ; YEARWOOD JOHN ; ZIMMERMAN TOM ; NEHLSN JAMES P ; WOLFE DANIEL L ; CHEVRON USA INC ; FAIRCLOTH BRIAN O ; DE WITT RONALD A ; DEWITT RON A ; DEWITT RONALD A ; DEUTCH PAUL D ; ALLEN ERIK C ; BAILEY ANDYLE G ; BERGERON HENRY A

Assignee(s): CHEVRON U S A INC ; ELY JOHN L ; DEUTSCH PAUL D ; ENERGY UNITED STATES DEPARTMENT OF

Inventor(s): (std): FAIRCLOTH BRIAN O ; FEHRKLOT BRAJAN O ; GRUBB DARYL L ; KOBlick YESHAYA ; KOBLIK JESHAJA ; LAND MARK S ; LEHND MARK S ; LINYAEV EUGENCE J ; MARK S LAND ; MARK S ZEDIKER ; MESNARD DAVID R ; MOKSLI DZHOEL F ; MOXLEY JOEL F ; NORTON RYAN J ; PAUL D DEUTCH ; RINZLER CHARL Z K ; RINZLER CHARLES C ; SCHROIT SAM N ; SHARATH K KOLACHALAM ; UNDERWOOD LANCE D ; WOLFE DANIEL L ; YESHAYA KOBlick ; ZEDIKER MARK S ; JOEL F MOXLEY ; DE WITT RONALD A ; CHARLES C RINZLER ; BRIAN O FAIRCLOTH ; ZIMMERMAN TOM ; YEARWOOD JOHN ; VOLKMAR JOHN F ; NEHLSN JAMES P ; MCKAY RYAN P ; ANDYLE G BAILEY ; BAILEY ANDYLE G ; BERGERON HENRY A ; CLARK PHILIP V ; DANIEL L WOLFE ; DARYL L GRUBB ; DEWITT RON A ; ELY JOHN ; GRUBB DARYL ; GRAY WILLIAM C ; FRAZE JASON D ; FAIRDOTH BRIAN O ; FAIRCLOTH BRIAN ; ELY JOHN L ; DEWITT RONALD A ; MAKKI SIAMAK ; KOLACHALAM SHARATH K ; KOLACHALAM SHARARTH K ; KOLACHALAM SHARARTH ; KELLERMANN FRED C ; JONES ALBERTUS REBECCA ; MARSHALL SCOTT A ; LINYAEV EUGENE J ; HAVLINEK KENNETH L ; FAIRCLOTH BRIAN O ; ALLEN ERIK C ; LEE IAN ; KUZNETSOV ANDREY ; DEUTCH PAUL D

Inventor(s): CHARLES CRINZLER ; BRIAN OFAIRCLOTH ; JOEL FMOXLEY ; DEUTSCH PAUL D ; ERIK C ALLEN ; MARK SZEDIKER

Agent(s): SPRUSON AND FERGUSON; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; BUNGARTZ KLAUS PETER; TERSTEEGEN FELIX; BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWAELTE; SABA AND CO TMP; SAUD M A SHAWWAF LAW OFFICE; ITOH SHIGERU; BRINKS HOFER GILSON AND LIONE; FORO ENERGY/BHGL; FORO ENERGY BHGL; GLEN; GLEN P; STEPTOE AND JOHNSON LLP; STEPTOE AND JOHNSON; BRIAN; STEPTOE AND JOHNSON LLC; BELVIS LAW LLC; BELVIS GLEN P; FREEMAN JOHN C; BELVIS GLEN P 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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

Title: SYSTEMS, DEVICES, AND/OR METHODS FOR MANUFACTURING CASTINGS

Abstract: Certain exemplary embodiments can provide a composition, system, machine, device, manufacture, circuit, and/or user interface adapted for, and/or a method and/or machine-readable medium comprising machine-implementable instructions for, activities that can comprise, after removing a cast device from a stack-lamination-derived mold, said cast device formed from a molding composition, applying a desired shape to said cast device to form a shaped cast device, said molding composition comprising: a ceramic composition comprising silica; an cycloaliphatic epoxy binder composition, said cycloaliphatic epoxy binder composition present in said molding composition in an amount up to 30 percent by weight of said molding composition; a silicone composition comprising a siloxane resin, said silicone composition present in said molding composition in an amount up to 30 percent by weight of said molding composition; and a solvent composition adapted to dissolve said cycloaliphatic epoxy binder composition and said silicone composition.

Classifications:

International (IPC 8-9): A61B6/00 B22C9/00 B22C9/04 B22C9/10 B23P15/24 B29C33/30 B29C33/38 B29C70/34 B32B3/10 C08K3/22 C08L63/00 C08L83/04 (Advanced/Invention);

A61B6/00 (Advanced/Non-invention);

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C08K3/00 (Core/Invention)

CPC: Y10T428/24479 A61B6/4258 B23P15/246 B29C33/301

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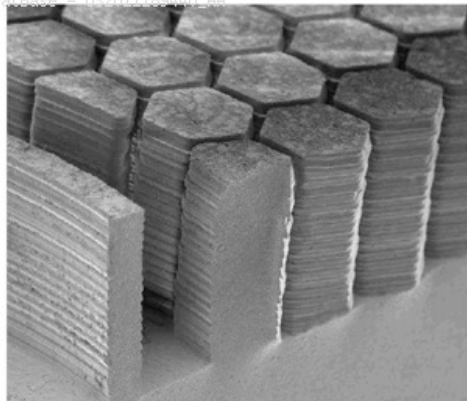
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B29C33/38F

US: 1/1 156/245 156/245S 164/369 428/134 428/156 428/156P

523/435 523/435S 523/458

PatBase - US2011189440_00

**Family:**

Publication number	Publication date	Application number	Application date
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Agent(s): CHAILLOT GENEVIEVE; Vigars Christopher Ian; VIGARS CHRISTOPHER IAN; MICHAEL HAYNES PLC; MICHAEL N; HAYNES MICHAEL

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 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 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 ZA ZM ZW

Title: MOBILE WATER HEATING APPARATUS

Abstract: Mobile water heating systems for producing hot water are disclosed herein. In one embodiment, a mobile water heating system includes a water heater having an oval-cylindrical shape. The water heater includes a shell, a lid and a water reservoir having a screen. A first heating coil and a second heating coil can extend between the screen and a first cone and a second cone, respectively. A first burner and a second burner can be configured to mix and combust fuel and air and direct the resulting flames through the heating coils. Pall rings can at least partially fill an interior volume of the water heater and the combustion of the fuel and air can heat the heating coils and the pall rings. Water can be heated by being directed through the heating coils and through a water manifold positioned to spray water on the pall rings.

Classifications:

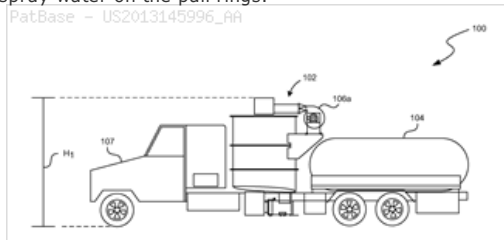
International (IPC 8-9): B01F5/12 B05C11/10 B05C19/06 B05D1/26 B65G51/02 B65G53/10 B65G53/12 B65G53/14 B65G53/28 B65G53/50 B82Y30/00 B82Y40/00 B82Y99/00 F22B1/18 F22D5/00 F24H1/00 F24H1/06 F24H1/12 F24H1/16 F24H1/20 F24H9/14 F24H9/18 F24H9/20 G03F7/20 H01J1/02 H01J1/16 H01J1/30 H01J1/304 H01J1/308 H01J1/46 H01J1/48 H01J13/28 H01J17/22 H01J19/24 H01J19/30 H01J19/38 H01J19/78 H01J19/80 H01J21/06 H01J21/10 H01J25/02 H01J29/02 H01J29/46 H01J29/48 H01J29/74 H01J29/98 H01J3/02 H01J33/00 H01J35/00 H01J45/00 H01J7/44 H01J9/14 H01L21/00 H01L21/027 H01L23/34 H01L29/06 H01R43/16 H02N3/00 H05B37/00 H05B39/00 H05B41/00 (Advanced/Invention); B05C11/10 B82Y40/00 B82Y99/00 H01J45/00 (Advanced/Non-invention)

CPC: F22B1/1853 F24H1/06 F22D5/00 F24D2220/048 F24H1/125 F24H1/165 F24H9/2035 Y10T137/0318 F24H1/08 F24H1/124 F24H1/205 F24H1/0036 F24H1/009 F24H1/206 H01J29/98 H01J19/78 H01J19/80 H01J1/46 H01J3/027 B82Y30/00 H01J3/029 H01J3/08 H01J3/12 H01J37/063 H01J37/073 H01L2924/0002 H01J1/308 H01J1/304 H01J2201/319 H01J2201/3048 H01J17/22 H01J27/26 H01J29/46 H01J21/105 H01J3/022 H01J23/02 H01J21/06 H01J29/02 H01J29/481 H01J45/00 B82Y99/00 H01J19/38 B05C11/10 B05C11/1002 B65G53/12 B65G53/28 B65G53/50 B05D1/26 B05C11/1042 B65G53/10 H01J1/48 H01J3/021 H01J2203/0232 Y10T29/49204

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JP F-Index: B65G51/02/D G03F7/20/504 H01J1/30/F H01J1/304 H01L21/30/541/B



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US20170603340	20170523				

Probable Assignee: ELWHA LLC

Assignee(s): (std): CHEATHAM JESSE R III ; CHEATHAM III JESSE R ; ECKHOFF PHILIP ANDREW ; ELWHA LLC ; GATES WILLIAM ; MYHRVOLD NATHAN P ; KARE JORDIN T ; HYDE RODERICK A ; PAN TONY S ; PETROSKI ROBERT C ; TEGREENE CLARENCE T ; ISHIKAWA MURIEL Y ; TUCKERMAN DAVID B ; NORDSON CORP ; ELWHA LLC A LTD LIABILITY CO OF STATE OF DELAWARE ; ENERGY HEATING LLC ; INTELLIGENT ENERGY LLC ; WHITMER CHARLES ; WOOD JR LOWELL L ; WOOD LOWELL L ; WOOD VICTORIA Y H

Assignee(s): WOOD VICTORIA YH ; INTELLIGENT HEATING LLC ; ELWHA LLCA LIABILITY CO OF STATE OF DELAWARE LTD ; ELWHA LLC BELLEVUE ; LIND GERALD WAYNE ; MASON JUSTIN LYDELL ; NORDSON CORP WESTLAKE ; ELWHA LLC A LIABILITY CO OF STATE OF DELAWARE LTD ; CHEATHAM JESSE R ; COOPER JAMES ALLEN ; CRITCHFIELD NOLAND HARPER ; COOPER JEFFREY K

Inventor(s): (std): COOPER JAMES ALAN ; COOPER JAMES ALLEN ; COOPER JEFFERY K ; COOPER JEFFREY K ; CRITCHFIELD NOLAND HARPER ; DUNCAN WILLIAM DAVID ; ECKHOFF PHILIP ANDREW ; CHEATHAM

III JESSE R ; CHEATHAM JESSE R III ; CLARK JUSTIN A ; GATES WILLIAM ; HYDE RODERICK A ;
ISHIKAWA MURIEL Y ; LIND GERALD WAYNE ; MANKIN MAX N ; MASON JUSTIN LYDELL ; MYHRVOLD
NATHAN P ; KARE JORDIN T ; PAN TONY S ; PETROSKI ROBERT C ; TEGREENE CLARENCE T ;
TUCKERMAN DAVID B ; WHITMER CHARLES ; WOOD LOWELL L JR ; WOOD VICTORIA Y H ; WOOD JR
LOWELL L ; WOOD LOWELL L

Inventor(s): WOOD LOWELL L BELLEVUE ; WOOD VICTORIA Y H LIVERMORE ; WOOD VICTORIA YH ; WHITMER
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; PETROSKI ROBERT C SEATTLE ; PAN TONY S CAMBRIDGE ; KARE JORDIN T SEATTLE ; MYHRVOLD
NATHAN P BELLEVUE ; ISHIKAWA MURIEL Y LIVERMORE ; HYDE RODERICK A REDMOND ; GATES
WILLIAM REDMOND ; CLARK JUSTIN A SUGAR HILL ; CHEATHAM JESSE R III SEATTLE ; CHEATHAM
JESSE R ; ECKHOFF PHILIP ANDREW BELLEVUE

Agent(s): SPRUSON AND FERGUSON; BULL HOUSSEY AND TUPPER LLP; REGEHR HERBERT B; D YOUNG AND CO
LLP; EISENFUEHR SPEISER PATENTANWAELTE RECHTSANWAELTE PARTGMBB; EISENFUEHR SPEISER;
HARRIS IAN RICHARD; ROEB MARIA; OKABE YUZURU; TAKAHASHI SEIICHIRO; OCHI TAKAO; MATSUI
TAKAO; HARA KENZO WORLD PATENT AND TRADEMARK; PERKINS COIE LLP; BAKER AND HOSTETLER
LLP; STEWART JOHN 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
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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

Title: PLASMA **THRUSTER** AND METHOD FOR GENERATING A PLASMA PROPULSION THRUST

Abstract: The invention, which relates to a miniaturisable plasma **thruster**, consists of: -igniting the plasma by microhollow cathode discharge close to the outlet and inside the means for injecting the propellant gas, said injection means being magnetic and comprising a tip at the downstream end thereof; -bringing the electrons of the magnetised plasma into gyromagnetic rotation, at the outlet end of said injection means; -sustaining the plasma by means of Electron Cyclotron Resonance (ECR), said injection means being metal and being used as an **antenna** for **electromagnetic** (EM) emission, the volume of ECR plasma at the outlet of said injection means being used as a **resonant cavity** of the EM wave; -accelerating the plasma in a magnetic nozzle by diamagnetic force, the ejected plasma being electrically neutral.

Classifications:

International (IPC 8-9): F03H1/00 H01H1/54 H01J27/18 H05H1/46 H05H1/54 H05H13/00 H05H7/02 H05H7/08 (Advanced/Invention)

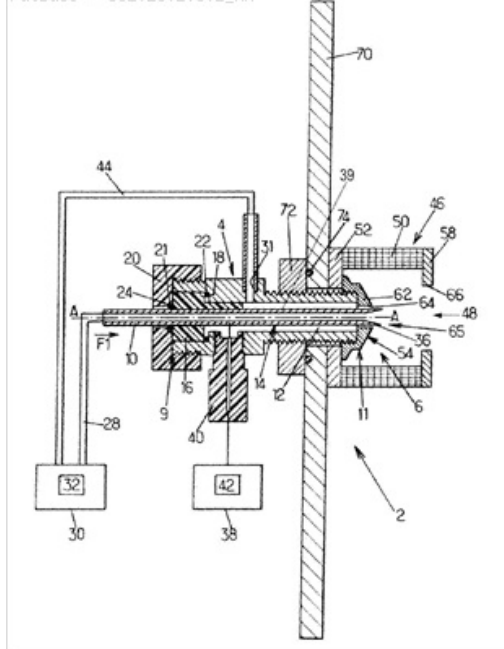
CPC: H05H7/08 H05H1/46 H05H1/54 H05H13/005 H05H7/02 H05H2001/4607 H05H2007/027 H05H2007/082 H05H2007/087 F03H1/0081 H01J27/18 F03H1/00

US: 60/202

JP F-Term: 2G084 2G084/AA22 2G084/BB02 2G084/BB03 2G084/BB06 2G084/BB23 2G084/BB35 2G084/BB36 2G084/CC06 2G084/CC15 2G084/CC18 2G084/CC23 2G084/CC25 2G084/CC33 2G084/DD04 2G084/DD17 2G084/DD51 2G084/FF01 2G084/FF26 2G084/FF28 2G084/FF39 2G084/GG02 2G084/GG07 2G084/GG08 3D144

JP F-Index: F03H1/00/A H05H1/46/C H05H1/54

PatBase - US2015020502_AA



Family:

Publication number	Publication date	Application number	Application date
CN104114862 A	20141022	CN201280069755	20121219
CN104114862 B	20171121	CN201280069755	20121219
DE602012023594 D1	20161110	DE201260023594T	20121219
EP2798209 A1	20141105	EP20120819095	20121219
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FR2985292 A1	20130705	FR20110062545	20111229
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JP2015509262 T2	20150326	JP20140549517T	20121219
JP6120878 B2	20170426	JP20140549517T	20121219
RU2014131219 A	20160220	RU20140131219	20121219
RU2610162 C2	20170208	RU20140131219	20121219
US2015020502 AA	20150122	US20120369282	20121219
US9591741 BB	20170307	US20120369282	20121219
WO13098505 A1	20130704	WO2012FR52983	20121219

Priority:

FR20110062545 20111229 EP20120819095 20121219 WO2012FR52983 20121219

Probable Assignee: ONERA OFFICE NATIONAL D ETUDES ET DE RECHERCHES AEROSPATIALES

Assignee(s): (std): NAT D ETUDES ET DE RECH S AEROSPATIALES ONERA OFF ; ONERA OFF NAT AEROSPATIALE ; ONERA OFFICE NAT D ETUDES ET DE RECH AEROSPATIALES ; ONERA OFFIS NASONAL D ETYUD E DE RESHERSH AEROSPASYAL

Assignee(s): ONERA OFFICE NATIONAL D ETUDES ET DE RECHERCHES AEROSPATIALES ; OFFICE NATIONAL D ETUDES ET DE RECHERCHES AEROSPATIALES ONERA

Inventor(s): (std): LARIGALDI SERZH ; LARIGALDIE SERGE

Inventor(s): SERGE LARIGALDIE

Agent(s): CABINET PLASSERAUD ; HARAKENZO WORLD PATENT AND TRADEMARK; PATZIK FRANK AND SAMOTNY LTD; KOENIG CHRISTINE 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 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 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

Title: SYSTEM AND METHOD FOR SERVER BASED CONTROL

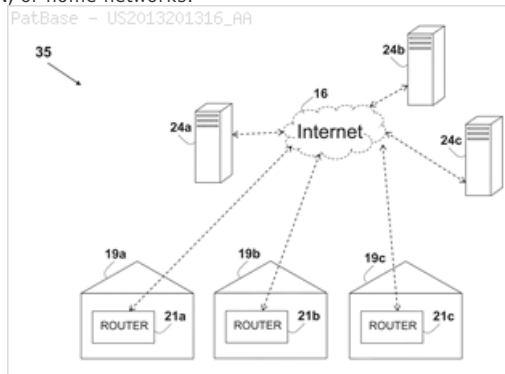
Abstract: A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a device associated with the sensor and a device associated with the control logic implementing a PID closed linear control loop and an external Internet-connected control server associated with the control logic implementing a PID closed linear control loop and communicating with the router over external network for controlling the in-building or in-vehicle phenomenon. The sensor may be a microphone or a camera, and the system may include voice or image processing as part of the control logic. A redundancy is used by using multiple sensors or actuators, or by using multiple data paths over the building or vehicle internal or external communication. The networks may be wired or wireless, and may be BAN, PAN, LAN, WAN, or home networks.

Classifications:

International (IPC 8-9): H04L29/08 (Advanced/Invention);
B60K31/00 B60K31/18 G01C21/00 G07C5/00
G08G1/00 (Advanced/Non-invention)

CPC: H04L67/12 B60K31/00 B60K31/18 B60Y2200/11 B60Y2200/12
B60Y2200/126 B60Y2200/13 B60Y2200/30 B60Y2200/40
B60Y2200/50 B60Y2200/90 G01C21/00 G06Q2240/00 G07C5/008
G08G1/00

US: 348/143 348/77 370/276 700/22 700/28 701/2 701/31.4 701/48
709/218



Family:

Publication number	Publication date	Application number	Application date
US2013201316 AA	20130808	US20130733634	20130103
US2017078400 AA	20170316	US20160361434	20161127
US2017331899 AA	20171116	US20170657163	20170723
US2018034912 AA	20180201	US20170716881	20170927
US2018124181 AA	20180503	US20170832787	20171206

Priority:

US20120584500P 20120109	US20120620129P 20120404	US20120637030P 20120423
US20120647034P 20120515	US20130733634 20130103	US20160361434 20161127
US20170657163 20170723	US20170716881 20170927	US20170832787 20171206

Probable Assignee:

MAY PATENTS LTD

Assignee(s): (std):

MAY PATENTS LTD

Inventor(s): (std):

BINDER YEHUDA ; MAYTAL BENJAMIN

Title: MICROWAVE PLASMA SPECTROMETER USING DIELECTRIC RESONATOR

Abstract: A dielectric resonator is excited at its natural **resonant** frequency to produce a highly uniform electric field for the generation of plasma. The plasma may be used as a desolvator, atomizer excitation source and ionization source in an optical spectrometer or a mass spectrometer.

Classifications:

International (IPC 8-9): C23C16/507 G01N21/68 G01N21/73
G01N22/00 G01N27/62 G01N27/68 G01N30/72 G21B1/05 H01J37/32
H01J49/10 H01J49/26 H01L21/3065 H01L21/31 H01S3/038 H05H1/00
H05H1/24 H05H1/26 H05H1/30 H05H1/46
H05H1/54 (Advanced/Invention);

G01N21/71 H01S3/0975 (Advanced/Non-invention)

CPC: G01N22/00 H01J49/10 H05H2001/4682 H05H1/46

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G21B1/057 H01J2237/002 H01S3/0975 G01N21/718 H01J49/105

US: 250/288 315/111.21 315/111.51 315/39 324/633

JP F-Term: 2G041 2G041/CA01 2G041/DA14 2G043 2G043/AA01
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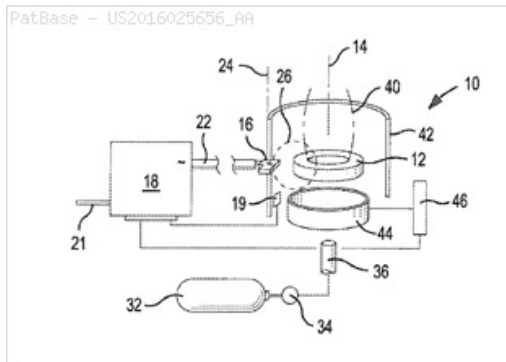
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JP F-Index: G01N21/68 G01N27/62/B H01J49/10 H05H1/00/A C23C16/507 F03H1/00/A G01N21/73 G01N27/62/G

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H05H1/46/L H05H1/54

**Family:**

Publication number	Publication date	Application number	Application date
AU2014240385 AA	20141002	AU20140240385	20140312
AU2014240385 BB	20180215	AU20140240385	20140312
AU2014240387 AA	20141002	AU20140240387	20140312
AU2014240387 BB	20171130	AU20140240387	20140312
CA2905929 AA	20150911	CA20142905929	20140312
CA2905931 AA	20150911	CA20142905931	20140312
CN105122042 A	20151202	CN201480022073	20140312
CN105122951 A	20151202	CN201480021511	20140312
CN105122951 B	20180504	CN201480021511	20140312
EP2972241 A1	20160120	EP20140772720	20140312
EP2972241 A4	20160921	EP20140772720	20140312
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IN08777DN2015 A	20160722	IN2015DN08777	20150924
JP2016520797 T2	20160714	JP20160501495T	20140312
JP2016522533 T2	20160728	JP20160501492T	20140312
KR20150128841 A	20151118	KR20157027679	20140312
SG11201507579U A1	20151029	SG20151107579	20140312
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WO14159590 A1	20141002	WO2014US24312	20140312
WO14159590 A9	20150219	WO2014US24312	20140312

Priority:

US20130779557P 20130313 US20140775492 20140312 WO2014US24306 20140312
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US20160287236 20161006

Probable Assignee: RADOM CORP

Assignee(s): (std): RADOM CORP

Assignee(s): THERMO FISHER SCIENTIFIC BREMEN GMBH ; JEVITIC JOVAN ; MENON ASHOK ; PIKELJA VELIBOR

Inventor(s): (std): JEVITIC JOVAN ; MENON ASHOK ; PIKELJA VELIBOR

Agent(s): SPRUSON AND FERGUSON; EQUINOX; PRICE NIGEL JOHN KING; BOYLE FREDRICKSON SC; BAXTER KEITH M

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

Title: POWER GENERATION SYSTEMS AND METHODS REGARDING SAME

Abstract: A solid fuel power source that provides at least one of thermal and electrical power such as direct electricity or thermal to electricity is further provided that powers a power system comprising (i) at least one reaction cell for the catalysis of atomic hydrogen to form hydridinos, (ii) a chemical fuel mixture comprising at least two components chosen from: a source of H₂O catalyst or H₂O catalyst; a source of atomic hydrogen or atomic hydrogen; reactants to form the source of H₂O catalyst or H₂O catalyst and a source of atomic hydrogen or atomic hydrogen; one or more reactants to initiate the catalysis of atomic hydrogen; and a material to cause the solid fuel to be highly conductive, (iii) at least one set of electrodes that confine the fuel and an electrical power source that provides a short burst of low-voltage, high-current electrical energy to initiate rapid kinetics of the hydridino reaction and an energy gain due to forming hydridinos, (iv) a product recovery systems such as a condenser (v) a reloading system, (vi) at least one of hydration, thermal, chemical, and electrochemical systems to regenerate the fuel from the reaction products, (vii) a heat sink that accepts the heat from the power-producing reactions, (viii) a power conversion system that may comprise a direct plasma to electric converter such as a plasmadynamic converter, magnetohydrodynamic converter, **electromagnetic** direct (crossed field or drift) converter, direct converter, and charge drift converter or a thermal to electric power converter such as a Rankine or Brayton-type power plant.

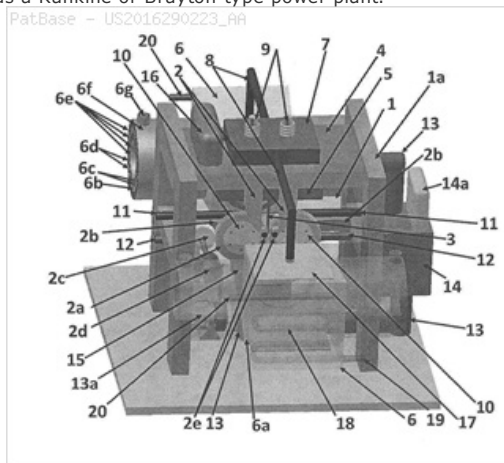
Classifications:

International (IPC 8-9): C01B C01B3/00 C10L3/00 C10L5/40 C1B3/00 C25B11/03 C25B9/00 F02B51/02 F02B51/04 F02B65/00 F03G7/00 G21B3/00 H01M H01M14/00 H01M8/00 H01M8/02 H05H H05H1/00 H05H1/46 H05H1/48 (Advanced/Invention); H01M8/18 (Advanced/Non-invention); C01B (Subclass/Invention)
CPC: G21B3/00 C01B3/00 Y02E30/18 Y02P20/129 F02B65/00 F02B51/02 F02B51/04 C10L3/00 C10L5/40 H05H1/46 H05H1/48 C10L2200/0277 C10L2200/0295 C10L2200/0254 C10L2200/029 C10L2200/02 C10L2200/024 H05H2001/4637 H01M14/00 Y02E50/30 Y02E60/324 Y02T10/166

US: 123/1A

JP F-Term: 3G072 4G140 4G140/AB03 4K011 4K011/AA11 4K011/DA01 4K021 4K021/AA01 4K021/BA02 4K021/DB05 4K021/DB11 4K021/DB16 4K021/DB40 4K021/DC03 5H026 5H026/AA02 5H126 5H126/AA01 5H126/AA02 5H126/BB02

JP F-Index: C01B3/00/Z C25B11/03 C25B9/00/A F03G7/00/H H01M8/02/E



Family:

Publication number	Publication date	Application number	Application date
AU2014351491 AA	20150528	AU20140351491	20140110
AU2018217208 AA	20180830	AU20180217208	20180813
BR112016011455 A2	20170808	BR20161111455	20140110
CA2931020 AA	20160518	CA20142931020	20140110
CN106414312 A	20170215	CN201480073700	20140110
EA201691042 A1	20161230	EA20160091042	20140110
EP3071518 A1	20160928	EP20140702084	20140110
ID201706910 A	20170622	ID2016P0004021	20140110
IL245720 A0	20160731	IL20140245720	20140110
IN201617020836 A	20160831	IN201617020836	20160617
JP2017508235 T2	20170323	JP20160533656T	20140110
KR20160093642 A	20160808	KR20167016426	20140110
MX2016006528 A1	20170116	MX20160006528	20140110
TW201521274 A	20150601	TW20140101094	20140110
TWI632727 B	20180811	TW20140101094	20140110
US2016290223 AA	20161006	US20140037179	20140110
WO15075566 A1	20150528	WO20141B58177	20140110
ZA201603524 A	20180228	ZA20160003524	20160523

Priority:

US20130906792P 20131120	US20130909216P 20131126	US20130911932P 20131204
US20130919496P 20131220	US20140924697P 20140107	AU20140351491 20140110
WO20141B58177 20140110	US20140037179 20140110	AU20180217208 20180813

Probable Assignee: BRILLIANT LIGHT POWER INC

Assignee(s): (std): BLACKLIGHT POWER INC ; BRILLIANT LIGHT POWER INC

Assignee(s): MILLS RANDELL

Inventor(s): (std): MILLS RANDELL ; RANDELL MILLS ; MILLS RANDELL LEE ; MILLS RANDELL L

Agent(s): SPRUSON AND FERGUSON; RIDOUT AND MAYBEE LLP; UEXKUELL AND STOLBERG; ADOLF MARTUA PANGGABEAN; SWEET MARK D

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

Title: A MICROWAVE ELECTROTHERMAL **THRUSTER** ADAPTED FOR IN-SPACE ELECTROTHERMAL PROPULSION

Abstract: The present invention relates to a Microwave Electrothermal **Thruster**(MET) adapted for in-space electrothermal propulsion comprising a tunable frequency Microwave Electrothermal **Thruster** propulsion module enabling primary propulsion and altitude control of a satellite/spacecraft wherein **RF** Semiconductors is introduced for the first time as microwave generator inside **cavity** body to increase its efficiency and respond time and to make the **thruster** capable of operating in two frequencies by mechanically tuning its **cavity** making such **thruster** compact and light weight. The free-floating plasma within the **resonant cavity** couples the incident electrical power directly to the tangentially injected propellant gas. The plasma forms by focusing the microwave energy into the first transverse magnetic mode and operates independent of the type of propellant gas used. Also, for the first time, Shape Memory Alloy is introduced into the **thruster cavity** to enable faster and effective tuning of the **resonant cavity** diameter, when switching between two operational frequencies.

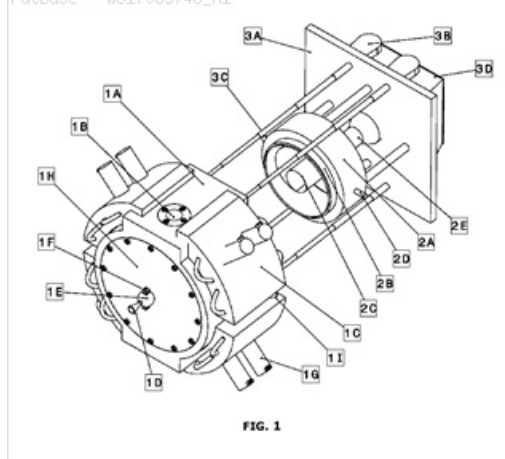
Classifications:

International (IPC 8-9): B64G1/40 B64G1/42

F03H1/00 (Advanced/Invention)

CPC: B64G1/40 B64G1/42 F03H1/0093

PatBase - WO17085746_A1



Family:

Publication number	Publication date	Application number	Application date
IN04333MU2015 A	20151204	IN2015MU04333	20151118
WO17085746 A1	20170526	WO2016IN50409	20161117
WO17085746 A4	20170803	WO2016IN50409	20161117

Priority:

IN2015MU04333 20151118

Probable Assignee: JSW STEEL LTD

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Inventor(s): (std): GANAPATHY ROHAN M ; NOWAL VINOD

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Agent(s): SEN ANJAN

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 DJ 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 KW 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 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

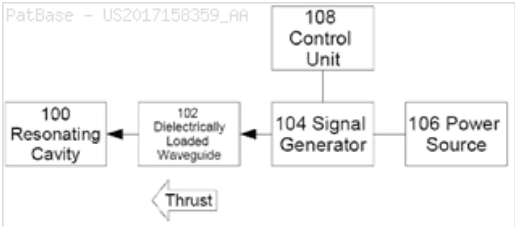
Title: **ELECTROMAGNETIC** THRUSTING SYSTEM

Abstract: Thrusting systems and vehicles are disclosed. One thrusting system includes a signal generator and a waveguide. The signal generator is configured to generate an **electromagnetic** wave. The waveguide is coupled to the signal generator to receive the **electromagnetic** wave such that at least a portion of electric and magnetic components of the **electromagnetic** wave extend in a direction transverse to a wave axis of the **electromagnetic** wave. The waveguide includes a dielectric material positioned to extend in a direction of the wave axis along a portion of the waveguide. An interaction between the **electromagnetic** wave and the waveguide induces a net force on the waveguide. One vehicle includes a thrusting system substantially as described above.

Classifications:

International (IPC 8-9): B64G1/40 F03H99/00 (Advanced/Invention)

CPC: B64G1/409 F03H99/00



Family:

Publication number	Publication date	Application number	Application date
US2017158359 AA	20170608	US20150322820	20150630
WO16004044 A1	20160107	WO2015US38563	20150630

Priority:

US20140998502P 20140630 US20150322820 20150630 WO2015US38563 20150630

Probable Assignee: CANNAE LLC

Assignee(s): (std): CANNAE LLC

Inventor(s): (std): FETTA GUIDO PAUL

Agent(s): NIGON KENNETH N

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 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

Title: COMMUNICATION BETWEEN RADIO TERMINALS ON AN EXTRATERRESTRIAL BODY USING A SPACE BASED COMPONENT AND AN ANCILLARY COMPONENT LOCATED ON THE EXTRATERRESTRIAL BODY.

Abstract: The underlying invention is "Solar Sonic" deep-space multidimensional coded universal communications "via ionosphere" armed signals and quantum algorithm resonance of hydroxyl molecules cosmic- radio- waves. The said invention is a solar sonic universe multidimensional radio astronomical control tower resonator for systemic multi-communications and manipulation of all resonating matters and antimatters alike. The solar sonic multidimensional interstellar radio signal communications resonator is a novel technology precisely pertaining to deep space multidimensional radio signal communications, which is an art reflected within the formal technology stated title. The present invention provides a system for communications on an extraterrestrial body, may include a space-based component and an ancillary extraterrestrial component on the extraterrestrial body. The space-based component may be configured to provide wireless communications with plurality of radio-terminals located on the extraterrestrial body over a satellite frequency band wherein the space-based component includes at least one satellite orbiting the extraterrestrial body. The ancillary extraterrestrial component may be configured to provide wireless communications with the plurality of radio-terminal located on the extraterrestrial body. Moreover, the ancillary extraterrestrial component may reuse at least one satellite frequency of the satellite frequency band and the space-based component and the ancillary extraterrestrial component may be configured to relay communications there between. An exciter system is provided for use in facilitating **electromagnetic** communication within an enclosed space. The system includes an exciter which may be in the form of a three dimensional hemispherical exciter or a two dimensional planar sector exciter depending on the size of the associated structure and the power requirements of operation. The exciter system operates in conjunction with a hub/controller network. The exciter system is adapted to induce a quasi-static evanescent field within the space and to thereby enable communications using the evanescent field at frequencies within an operational frequency range determined by the characteristics of the space. The exciter is mounted in opposition to a portion of a conductive framework within the enclosed space. In operation an coaxial connector connects the exciter to die hub/controller network with the central conductor connecting at a feed point to the exciter while the shield conductor is connected to the opposing conductive framework. In some embodiments a post acts as a curtain to enhance performance at tower frequencies. Improved communications systems and methods, however, may be desired to accommodate increasing communications to and from extraterrestrial bodies such as the moon and/or mars as more missions are sent to extraterrestrial bodies. More particularly, communications systems and methods may be desired to accommodate increased communications between radio- terminals on the extraterrestrial body and a satellite orbiting a celestial body and/ or transceivers on earth. The present invention relates generally to wireless communications and more particularly to systems for internal communications within structures, at frequencies in the range of 0.5 to 100 MHz.

Classifications:

International (IPC 8-9): H04B7/185 (Advanced/Invention)

CPC: H04B7/18584

PatBase - WO16097832_A1



Family:

Publication number	Publication date	Application number	Application date
WO16097832 A1	20160623	WO2015IB00427	20150518
WO16097832 A4	20161020	WO2015IB00427	20150518
WO16097832 A9	20160825	WO2015IB00427	20150518

Priority:

SD20140003288 20141216

Probable Assignee: ALDAWSARI FAISAL

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Agent(s): AMMAR MOHAMMED

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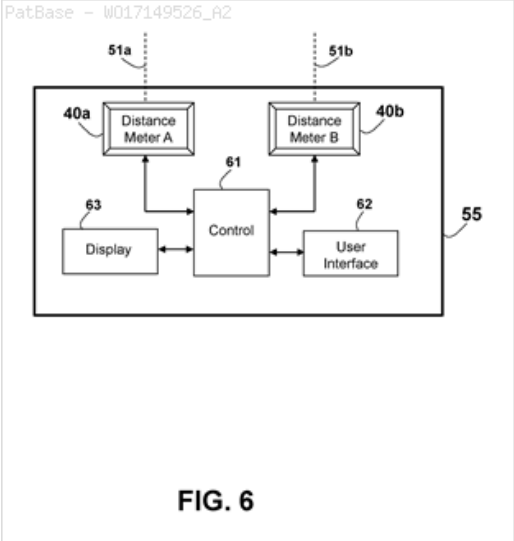
Title: A METHOD AND APPARATUS FOR COOPERATIVE USAGE OF MULTIPLE DISTANCE METERS

Abstract: A method and apparatus for an angle meter cooperatively using two or more non-contact distance meters for measuring distances to a surface along substantially parallel lines. The measured distances are used for estimating or calculating the angle to the surface and the distance to the surface. The distance meters may use optical means, where a visible or non-visible light or laser beam is emitted and received, acoustical means, where an audible or ultrasound sound is emitted and received, or an electro-magnetic scheme, where radar beam is transmitted and received. The distances may be estimated using a Time-of-Flight (TOF), homodyne or heterodyne phase detection schemes. The distance meters may share the same correlator, signal conditioning circuits, or the same sensor. Two or more angle meters may be used defining parallel or perpendicular measurement planes, for measuring angles between surfaces, and for estimating physical dimensions such as length, area or volume.

Classifications:

International (IPC 8-9): G01B15/04 G01C3/10 G01C3/18 G01S17/08 G01S17/42 (Advanced/Invention)

CPC: G01B15/00 G01B11/026 G01B11/26 G01S1/00



Family:

Publication number	Publication date	Application number	Application date
WO17149526 A2	20170908	WO2017IL50220	20170222
WO17149526 A3	20171005	WO2017IL50220	20170222

Priority:

US20160303388P 20160304 US20160373388P 20160811

Probable Assignee: MAY PATENTS LTD

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