

Search history

Search 1: ((IC = A61C3/02) OR (CPC = A61C1/084)) AND (PD<20141229) (Results 3762)

Search 2: 1 AND (FT = implant* NEAR guide#) (Results 395)

Search 3: 2 AND (FT = drill* NEAR base) (Results 39)

Title: MINI-DENTAL IMPLANT SURGICAL STENT

Abstract: A stent used to drill a pilot hole for dental implants is the subject of this invention. The stent has a **base** plate with **drill** directional cylinders fixed in this base plate. These cylinders are positioned so that they will reach the bone structure of a patient prior to and during the drilling of the pilot hole in the patient's jawbone.

Classifications:

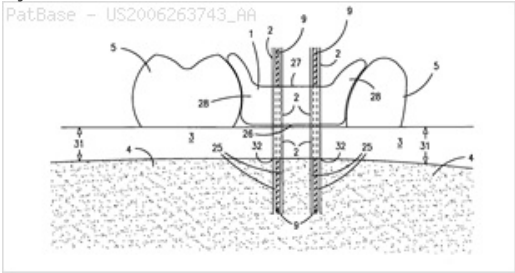
International (IPC 8-9): A61C3/02 (Advanced/Invention);

A61C3/02 (Core/Invention)

CPC: A61C1/084

European: A61C1/08F1

US: 433/76



Family:

Publication number	Publication date	Application number	Application date
US2006263743 AA	20061123	US20050174706	20050705
US7153132 BB	20061226	US20050174706	20050705

Priority:

US20050594971P 20050523 US20050174706 20050705

Probable Assignee:

TEDESCO JAMES L

Assignee(s): (std):

TEDESCO JAMES L

Inventor(s): (std):

TEDESCO JAMES L

Inventor(s):

TEDESCO JAMES

Agent(s):

JAMES J RALABATE ESQ; JAMES J

Title: MILLING CUTTER FOR REMOVAL OF TISSUE AROUND AN IMPLANT, AND DRILL TEMPLATE

Abstract: A milling cutter and a method are proposed for improving the reosseointegration of, or the treatment of, bone areas around implants, preferably tooth implants. The milling cutter according to the invention, and the method, are based on the finding that reosseointegration takes place much more quickly if the preparation of the damaged area around the implant is carried out by a milling cutter which is **guided** by the **implant** itself or which is positioned in an exact relationship to the latter.

Classifications:

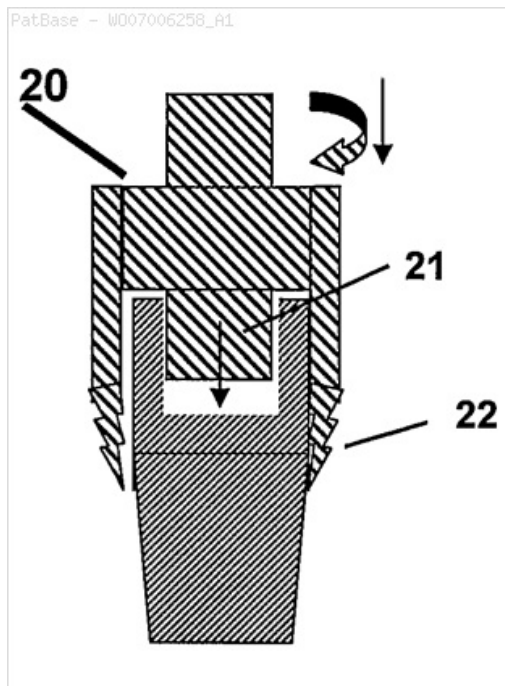
International (IPC 8-9): A61B17/16 A61B17/17 A61B17/56

A61C8/00 A61F2/28 (Advanced/Invention);

A61B17/16 A61C8/00 (Core/Invention)

CPC: A61B17/176 A61B2017/1602 A61C1/084 A61C8/0089

European: A61B17/17S6 A61C8/00T K61B17/16A K61C1/08F1



Family:

Publication number	Publication date	Application number	Application date
DE102005032933 A1	20070118	DE200510032933	20050712
WO07006258 A1	20070118	WO2006DE01127	20060629

Priority:

DE200510032933 20050712

Probable Assignee: UNIV GIESSEN JUSTUS LIEBIG

Assignee(s): (std): MEYLE JOERG ; UNIV GIESSEN JUSTUS LIEBIG

Assignee(s): JUSTUS LIEBIG UNIVERSITAET GIESSEN ; JUSTUS LIEBIG UNIV GIESSEN ; JUSTUS LIEBIG UNIV GIESSEN ; JUSTUS LIEBIG UNIVERSITAET GIESSEN

Inventor(s): (std): MEYLE JOERG

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 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 RS 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 ZA ZM ZW

Title: METHOD AND DEVICE FOR PRODUCING TOOTH PROSTHESIS PARTS

Abstract: The invention relates to a method for producing tooth prosthesis parts comprising an implant for inserting into the jaw and a prosthesis for securing to an implant by means of a connecting surface (52). A first measuring data set of a 3D X-ray image is prepared in the region of the prosthesis which is to be inserted and is reproduced on a display unit (1) as a 3D X-ray model (20). A second measuring data set of a three-dimensional optical measurement of the visible surface of the jaw and of parts of the adjacent tooth (11, 12) is prepared in the region of the prosthesis which is to be inserted. The measuring data set of the 3D X-ray image is correlated with the measuring data set of the three-dimensional optical measurement in relation to the geometries. A data set of the prosthesis is prepared as a 3D prosthesis model (40). The 3D prosthesis model (40) is displayed to-scale in the correlated 3D X-ray model (20) on the display unit (1). A data set of the implant in the correlated 3D X-ray model (20) is displayed on the display unit as a 3D implant model (50) and can be positioned by input means (4, 5) in the correlated 3D X-ray model (20), taking into account the 3D prosthesis model (40) and the 3D X-ray model (20).

Classifications:

International (IPC 8-9): A61C1/08 A61C13/00 A61C13/08 A61C8/00

G06F17/50 (Advanced/Invention);

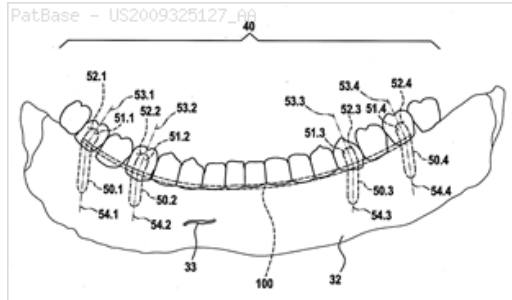
A61C1/08 A61C13/00 A61C13/08 A61C8/00

G06F17/50 (Core/Invention)

CPC: A61C13/0004 A61C1/084 A61C8/0048 A61C9/0053

European: A61C1/08F1 A61C13/00C1 A61C8/00G K61C9/00E

US: 433/201.1 433/201.100P 700/98 700/98S



Family:

Publication number	Publication date	Application number	Application date
EP2010090 A1	20090107	EP20070727242	20070322
US2009325127 AA	20091231	US20070282834	20070322
WO07110376 A1	20071004	WO2007EP52768	20070322

Priority:

DE200610013534 20060324 WO2007EP52768 20070322

Probable Assignee: SICAT GMBH AND CO KG

Assignee(s): (std): HEY JOACHIM ; KUSCH JOCHEN ; RITTER LUTZ ; SICAT GMBH AND CO KG

Inventor(s): (std): HEY JOACHIM ; KUSCH JOCHEN ; RITTER LUTZ

Agent(s): SOMMER PETER; FITZPATRICK CELLA HARPER AND SCINTO

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

Title: SURGICAL GUIDES AND METHODS FOR POSITIONING ARTIFICIAL TEETH AND DENTAL IMPLANTS

Abstract: A method is set forth for making a computer model of patient's jaws on the basis of digital information. Digital data about the jaws, teeth, soft tissues and artificial teeth is joined in computer space to create aesthetic and functional plans for the removal of teeth, shaping of supporting bone and placement of dental implants. Artificial teeth and pre-manufactured prosthetic devices are made and attached to the dental implants at the time of surgery. The aesthetic and functional position of artificial teeth is determined prior to surgical removal of natural teeth and the ideal position of implants and the proper form of the remaining bone are determined prior to surgery. Surgical guides used to shape bone, record occlusal orientation and position dental implants are manufactured using computer milling or layered manufacturing.

Classifications:

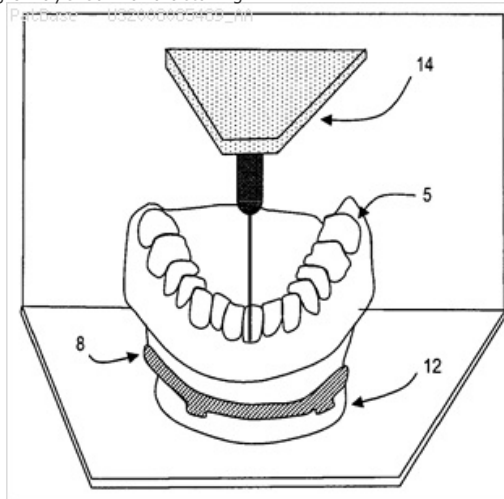
International (IPC 8-9): A61C1/08 A61C13/00 A61C3/00 G06F19/00 G06G7/60 (Advanced/Invention);

A61C1/08 A61C13/00 A61C3/00 (Core/Invention)

CPC: A61C8/0001 A61C9/0046 A61C19/045 B33Y80/00 G06F19/00 A61C1/084 G16H50/50 A61C13/0004

European: A61C1/08F1 A61C13/00C1 K61C19/045 K61C8/00B K61C9/00E

US: 433/68 433/72 433/75 433/75P 700/118 700/119 700/98 700/98P

**Family:**

Publication number	Publication date	Application number	Application date
US2008085489 AA	20080410	US20070867590	20071004
US2011066267 AA	20110317	US20100947698	20101116
US7835811 BB	20101116	US20070867590	20071004
US8364301 BB	20130129	US20100947698	20101116
WO08043056 A2	20080410	WO2007US80515	20071005
WO08043056 A3	20080807	WO2007US80515	20071005

Priority:

US20060849994P 20061007 US20070867590 20071004 US20100947698 20101116

Probable Assignee: VOXELOGIX CORP

Assignee(s): (std): BANKRUPTCY ESTATE OF VOXELOGIX CORP ; DENTAL IMPLANT TECHNOLOGIES IN ; SCHMITT STEPHEN M ; VOXELOGIX CORP

Assignee(s): DENTAL IMPLANT TECHNOLOGIES INC

Inventor(s): (std): SCHMITT STEPHEN M

Agent(s): HAYNES AND BOONE LLP; COX SMITH MATTHEWS INC; JOHNSON DUSTIN T ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM 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

Title: SURGICAL **GUIDE** FOR DENTAL **IMPLANT** AND METHODS THEREFOR

Abstract: A surgical guide assembly is provided for positioning a drill bit during a dental **implant** procedure. The **guide** assembly includes a mounting member configured to mount to one or more teeth adjacent to an edentulous area, a base connected to the mounting member and dimensioned to extend over the edentulous area, a translation member adjustable with respect to the base, and a rotation member adjustable with respect to the translation member. The rotation member includes an aperture configured to receive a radiographic marker or a drill. The translation and rotation members may be configured to adjust one of the mesio-distal (MD) rotational alignment and the buccal-lingual (BL) rotational alignment of the radiographic marker inserted in the aperture while holding the other of the MD and BL rotational alignment mechanically fixed. Also, the translation and rotation members may be configured to adjust the other of the MD and BL translational alignment of the radiographic marker while holding said one of the MD and BL translational alignment mechanically fixed. A method of using the dental implant positioning assembly is also disclosed.

Classifications:

International (IPC 8-9): A61B17/17 A61C13/225 A61C13/34

A61C19/04 A61C3/04 A61C8/00 (Advanced/Invention);

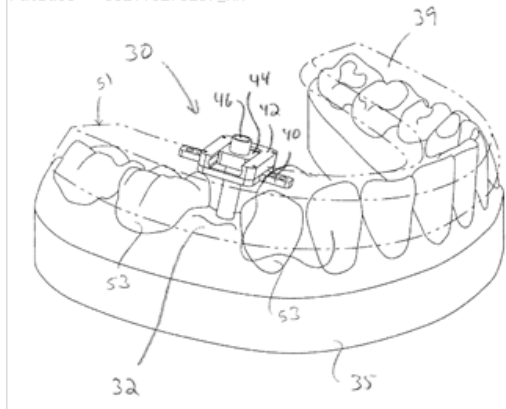
A61C13/225 A61C3/00 (Core/Invention)

CPC: A61C1/084

European: A61C1/08F1

US: 433/196 433/196P 433/215 433/75

PatBase - US2008176187_AA



Family:

Publication number	Publication date	Application number	Application date
BRPI0717732 A2	20131022	BR2007PI17732	20071010
CA2666374 AA	20090414	CA20072666374	20071010
CN101553184 A	20091007	CN200780044647	20071010
EP2071914 A2	20090624	EP20070844116	20071010
JP2010505598 T2	20100225	JP20090532564T	20071010
US2008176187 AA	20080724	US20070870310	20071010
US7905726 BB	20110315	US20070870310	20071010
WO08045965 A2	20080417	WO2007US80992	20071010
WO08045965 A3	20080807	WO2007US80992	20071010

Priority:

US20060850605P 20061010

US20070870310 20071010

WO2007US80992 20071010

Probable Assignee: STUMPEL LAMBERT J

Assignee(s): (std): STUMPEL LAMBERT J

Assignee(s): LAMBERT J STUMPEL

Inventor(s): (std): STUMPEL LAMBERT J

Inventor(s): LAMBERT J STUMPEL

Agent(s): SMART AND BIGGAR; MORGAN LEWIS AND BOCKIUS LLP; VICTOR E; JOHNSON VICTOR E ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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

Title: MANUFACTURING METHOD OF A **GUIDING** TEMPLATE FOR DENTAL **IMPLANTOLOGY**, **GUIDING** TEMPLATE MANUFACTURED THEREBY AND REFERENCE DEVICE FOR THE EXECUTION OF SUCH METHOD

Abstract: The present invention relates to a method for making a **guiding** template for dental **implantation**. The method provides for associating a base template to a reference device, subjecting the patient to CAT, loading the data to a computer program, making an implant planning, generating the volume model, coupling the volume model to the reference device model, projecting the elements of the implant planning on the volume model, making a volume suitably drilled on the basis of the projection, coupling the volume to the reference device and making the holes of the planning on the base template. The present invention also relates to the guiding template thus obtained and the reference device for carrying out the method.

Classifications:

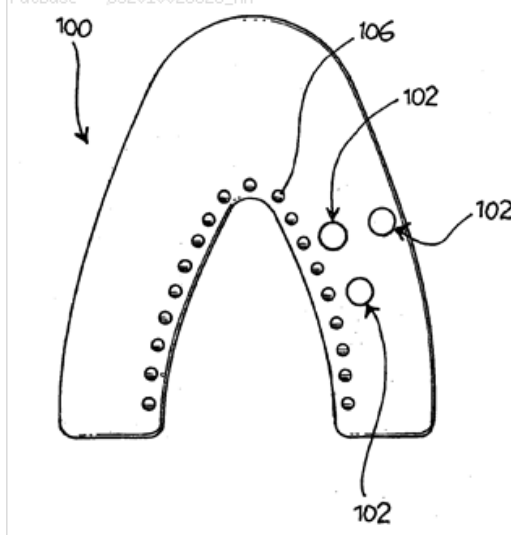
International (IPC 8-9): A61C1/08 A61C13/01 A61C13/36
A61C13/38 A61C19/04 A61C3/00 A61C8/00 (Advanced/Invention);
A61C1/08 A61C13/00 A61C13/007 A61C19/04
A61C8/00 (Core/Invention)

CPC: A61C1/084

European: A61C1/08F1

US: 433/199.1 433/199.100S 433/72 433/72P 433/75

PatBase - US2010028826_AA



Family:

Publication number	Publication date	Application number	Application date
CA2678996 AA	20090820	CA20072678996	20071211
DE202007019408 U1	20120719	DE200720019408U	20071211
EP2129319 A1	20091209	EP20070866793	20071211
ITBS20070040 A1	20080927	IT2007BS00040	20070326
KR20090127923 A	20091214	KR20097021187	20071211
US2010028826 AA	20100204	US20090533124	20090731
US2012135372 AA	20120531	US20120354372	20120120
US8167615 BB	20120501	US20090533124	20090731
WO08117323 A1	20081002	WO2007IT00861	20071211

Priority:

IT2007BS00040 20070326 WO2007IT00861 20071211 US20090533124 20090731
US20120354372 20120120

Probable Assignee: STUDIO DENTISTICO DR JACOTTI MICHELE

Assignee(s): (std): JACOTTI MICHELE ; STUDIO DENTISTICO DR JACOTTI M ; STUDIO DENTISTICO DR JACOTTI MICHELE

Assignee(s): STUDIO DENTISTICO DR JACOTTI MICHELE

Inventor(s): (std): JACOTTI MICHELE

Agent(s): ROBIC; PULIERI GIANLUCA ANTONIO; KILYK AND BOWERSOX PLLC; PULIERI GIANLUCA ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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

Title: SURGICAL DRILL GUIDE AND INDEX SYSTEM

Abstract: A surgical drill **guide** for installing dental **implants** with predetermined angular alignment and rotational orientation for a dental prosthesis, formed of: a. a base part formed to correspond generally to the shape and contour of a patient's upper or lower mouth, the base part having peripheral edges and having opposite tissue and mouth sides and at least one drill guide hole extending through the base part from the tissue side to the mouth side, each of the drill guide holes having a central axis at a predetermined angular orientation relative to the mouth side and having lateral location relative to the peripheral edges, and b. a set of rotational position indicators on the tissue and mouth sides respectively of the base part for each of the drill guide holes, the rotational position indicators of each set being at the same rotational position about the central axis of the drill guide hole.

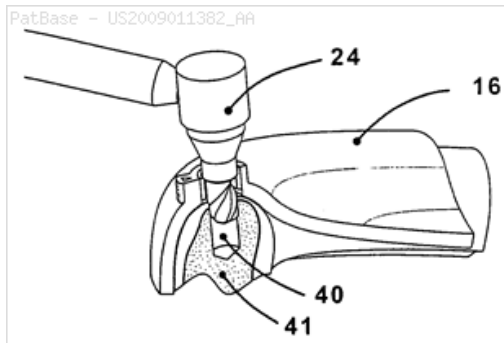
Classifications:

International (IPC 8-9): A61C13/00 A61C19/04 A61C3/00 A61C3/02 A61C8/00 A61C9/00 (Advanced/Invention); A61C13/00 A61C3/02 (Core/Invention)

CPC: A61C1/084

European: A61C1/08F1

US: 433/174 433/174S 433/215 433/29 433/29P 433/75 433/76 433/76P

**Family:**

Publication number	Publication date	Application number	Application date
US2009011382 AA	20090108	US20080154692	20080523
US2012164593 AA	20120628	US20120350294	20120113
US8105081 BB	20120131	US20080154692	20080523
US8827699 BB	20140909	US20120350294	20120113
WO08147570 A1	20081204	WO2008US06712	20080523

Priority:

US20070931901P 20070525 US20080154692 20080523 US20120350294 20120113

Probable Assignee: BAVAR TREVOR

Assignee(s): (std): BAVAR TREVOR

Inventor(s): (std): BAVAR TREVOR

Agent(s): ABELMAN FRAYNE AND SCHWAB; DAINOW J DAVID

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 CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR 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

Title: METHOD FOR PRODUCING A DRILL ASSISTANCE DEVICE FOR AT LEAST ONE IMPLANT HOLE IN A BONE STRUCTURE AND DEVICE OBTAINED

Abstract: According to this method, one makes a three-dimensional solid reproduction (12) of the anatomical zone of implantation and, from this reproduction, a drill assistance device (30) comprising a rigid base (35) provided with at least one drill guide (34, 38). According to the invention, the three-dimensional solid reproduction (12) consists of a reproduction of an internal and peripheral portion of said bone structure, exempt, at least in the vicinity of each implant hole, from the surrounding non-osseous tissues and mucosa, said rigid base (35) having at least one surface, called contact surface, adapted to be able to bear in contact with an external surface portion of the three-dimensional solid reproduction (12), and therefore also later in contact with a peripheral surface portion of said bone structure.

Classifications:

International (IPC 8-9): A61B17/17 A61B17/56 A61C1/08 A61C8/00 B23P17/04 (Advanced/Invention);

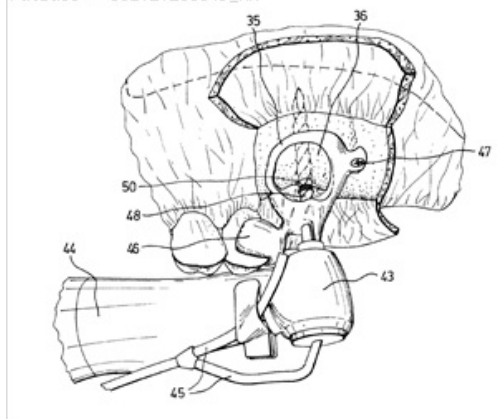
A61B17/16 A61C1/08 A61C8/00 (Core/Invention)

CPC: Y10T29/49 A61C1/084 A61C1/08 A61C8/0089

European: A61C1/08 A61C1/08F1 A61C8/00T

US: 29/592 29/592S 606/96 606/96P

PatBase - US2010256649_AA



Family:

Publication number	Publication date	Application number	Application date
EP2166976 A1	20100331	EP20080763172	20080603
FR2916626 A1	20081205	FR20070003939	20070604
FR2916626 B1	20140919	FR20070003939	20070604
US2010256649 AA	20101007	US20080602634	20080603
WO08149288 A1	20081211	WO2008IB52161	20080603

Priority:

FR20070003939 20070604
US20080602634 20080603

US20070982152P 20071024

WO2008IB52161 20080603

Probable Assignee: ALAIN FERNANDEZ SCOMA

Assignee(s): (std): CAPSAL JEAN ; FERNANDEZ SCOMA ALAIN

Assignee(s): JEAN CAPSAL ; ALAIN FERNANDEZ SCOMA

Inventor(s): (std): CAPSAL JEAN ; FERNANDEZ SCOMA ALAIN

Inventor(s): JEAN CAPSAL ; ALAIN FERNANDEZ SCOMA

Agent(s): JEANNET OLIVIER; CABINET NETTER; CHRISTIE PARKER AND HALE LLP

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 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 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

Title: **IMPLANT GUIDE** SYSTEM

Abstract: This invention relates to the **implant guide** system used in dentistry and general medicine for the placement of the implants into the correct places with the correct angles, and the correct depth; that provides a tubeless usage facility for all implants and that is obtained either by stereolithography or moulding.

Classifications:

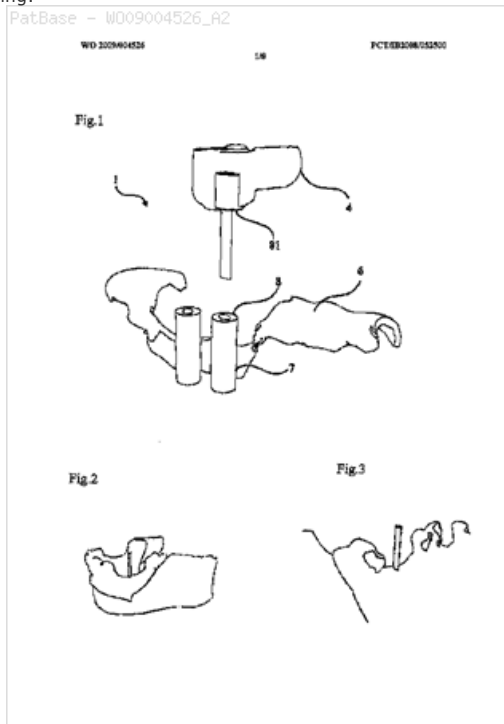
International (IPC 8-9): A61C1/08 A61C19/055

A61C8/00 (Advanced/Invention);

A61C1/08 A61C19/04 A61C8/00 (Core/Invention)

CPC: A61C1/084

European: A61C1/08F1



Family:

Publication number	Publication date	Application number	Application date
TR200704517 A2	20090223	TR20070004517	20070629
WO09004526 A2	20090108	WO20081B52500	20080624
WO09004526 A3	20090219	WO20081B52500	20080624

Priority:

TR20070004517 20070629

Probable Assignee: AY TASARIM TIBBI VE ENDUESTRIY

Assignee(s): (std): AY TASARIM TIBBI VE ENDUESTRIY ; AY TASARIM TIBBI VE ENDUSTRIYE ; YAGIZ AYBERK

Assignee(s): AY TASARIM TIBBI VE ENDUSTRIYEL URUNLER MAKINE SANAYI ITHALAT IHRACAT TICARET LIMITED SIRKETII ; AY TASARIM TIBBI VE ENDUSTRIYEL URUNLER MAKINE SANAYI ITHALAT IHRACAT TICARET SIRKETII LTD ; AY TASARIM TIBBI VE ENDUESTRIYEL UERUENLER MAKINESAN ITHALAT IHRACAT TIC LTD STI

Inventor(s): (std): YAGIZ AYBERK

Inventor(s): AYBERK YAGIZ

Agent(s): ANKARA PATENT BUREAU LIMITED

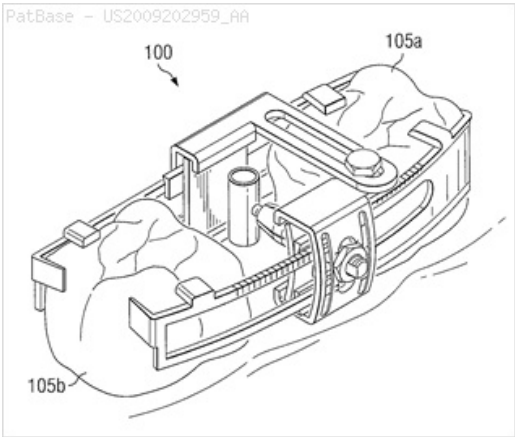
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Title: DENTAL IMPLANT GUIDE

Abstract: In one embodiment of the present invention, a dental implant guide features a drill base operable to be secured inside of a human mouth. A drill guide is adjustably attached to the drill base. The drill guide is operable to guide the path of a drill bit down a drilling axis.

Classifications:

International (IPC 8-9): A61C3/02 (Advanced/Invention);
A61C3/02 (Core/Invention)
CPC: A61C1/084
European: A61C1/08F1
US: 433/215 433/76



Family:

Publication number	Publication date	Application number	Application date
US2009202959 AA	20090813	US20090370095	20090212

Priority:

US20080065604P 20080213 US20090370095 20090212

Probable Assignee: TEXAS A AND M UNIV SYSTEM

Assignee(s): (std): TEXAS A AND M UNIV SYS

Assignee(s): TEXAS A AND M UNIV SYSTEM ; THE TEXAS A AND M UNIVERSITY SYSTEM ; TEXAS A AND M UNIV

Inventor(s): (std): AJLOUNI RAED ; AJLOUNI KHALDOUN

Agent(s): BAKER BOTTS LLP