

14 Documents

Publication numbers	Title	Current assignees
IT2004FI0013 A1	Dental implant	LEONE
WO200816917 A2	Dental Implant System	WITTLEY BUNDA
IT2009FI0128 A1	Dental implant	LEONE
WO2012123654 A1	Dental implant	BIOTECH DENTAL
IL-230833 A	Dental implant for bone collection and distribution	OPHIR FROMOVICH
WO200105326 A1	Dental implant system and method for effecting a dental restoration using the same	LUSTIG L. PAUL, ...
WO9727816 A1	Emergence profile system having a combined healing abutment and impression coping	BIOMET, ...
EP1982672 A1	Dental implant device	MICERIUM
CN103550004 A	Artificial dental implant, artificial dental implanting system and implanting method	DALIAN SANSHENG TECHNOLOGY DEVELOPMENT
CN103550002 A	Artificial dental abutment, artificial dental multi-part implanting system and implanting method	DALIAN SANSHENG TECHNOLOGY DEVELOPMENT
CN204337069U U	Dental implant with composite structure	GUANGZHOU JIANCHI BIOTECHNOLOGY
CN104000664 A	Elastic-expansion immediate implantation type dental implant system	GUANGXI UNIVERSITY
CN201642387U U	Dental implant	BRITISH MEDICAL DEVICES
US20080208264 A1	Dental abutment with cover	LAZAROF SARGON

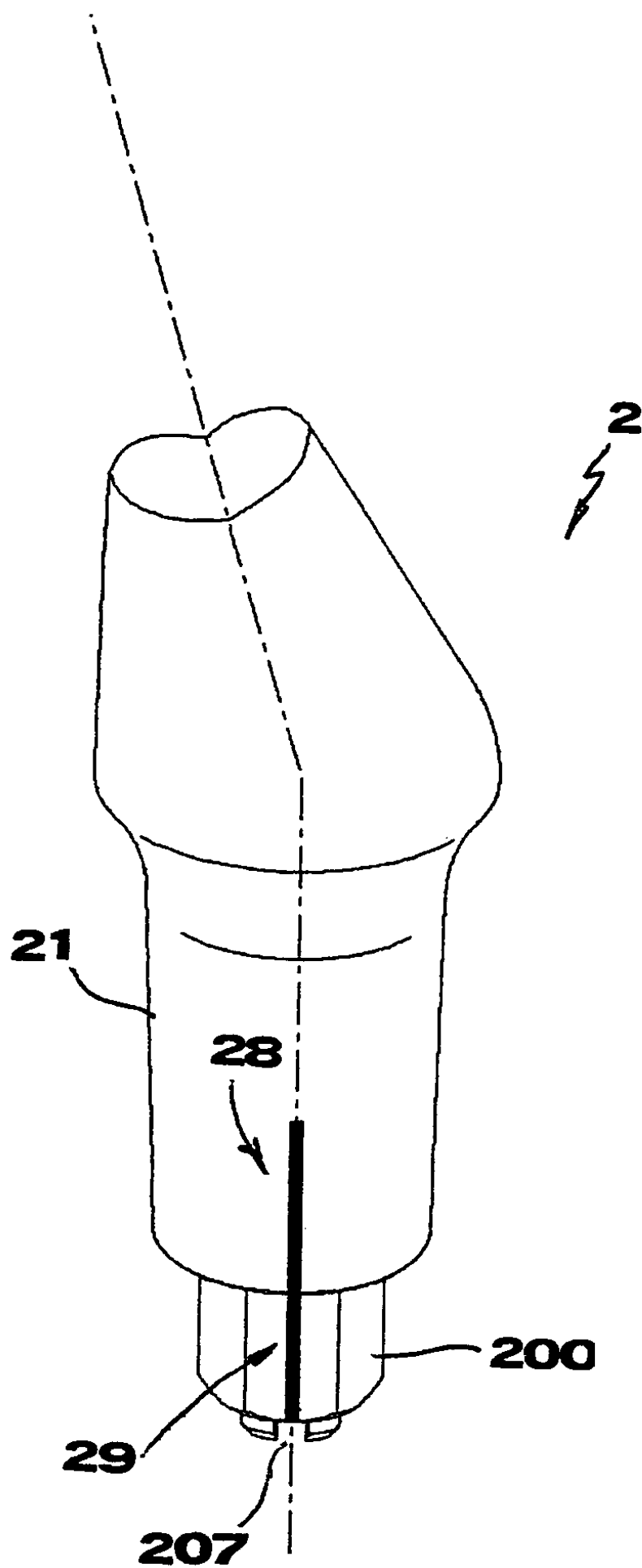
Family 1/14 - FAMPAT - ©Questel

Title

(EP1554988)

Dental implant

Images



Publication data including kind & date

ITFI20040013	A1	2004-04-19	IT2004FI0013
EP1554988	A1	2005-07-20	EP1554988
US20060121417	A1	2006-06-08	US20060121417
EP1554988	B1	2007-09-05	EP1554988
AT372094	T	2007-09-15	ATE372094
DE602004008733	D1	2007-10-18	DE602004008733
ES2293152	T3	2008-03-16	ES2293152
DE602004008733	T2	2008-06-12	DE602004008733
US8328556	B2	2012-12-11	US8328556

**Abstract**

(EP1554988)

Dental implant, comprising an **abutment** (2) for connection with a fixture (1) by means of a **Morse-taper** coupling, with the installation of a truncated-cone shank (21) of the **abutment** (2) into a corresponding cavity (11) exhibited by the fixture (1), the said **abutment** (2) being provided with an appendix, having polygonal cross-section (22), which is positioned below said shank (21) and to be fitted into a corresponding impression (12) provided in the bottom of the said cavity (11) of fixture (1), the **abutment** being also provided, on the side opposite to said appendix (22) with respect to said shank (21), with a portion (20, 24) intended for supporting a **dental** prosthesis (D), characterized in that the said appendix (22) can be rotated about its longitudinal axis, relative to the said shank (21) of the **abutment** (2). <IMAGE>

Inventors

SCOMMEGNA GABRIELE

DOLFI MAURIZIO

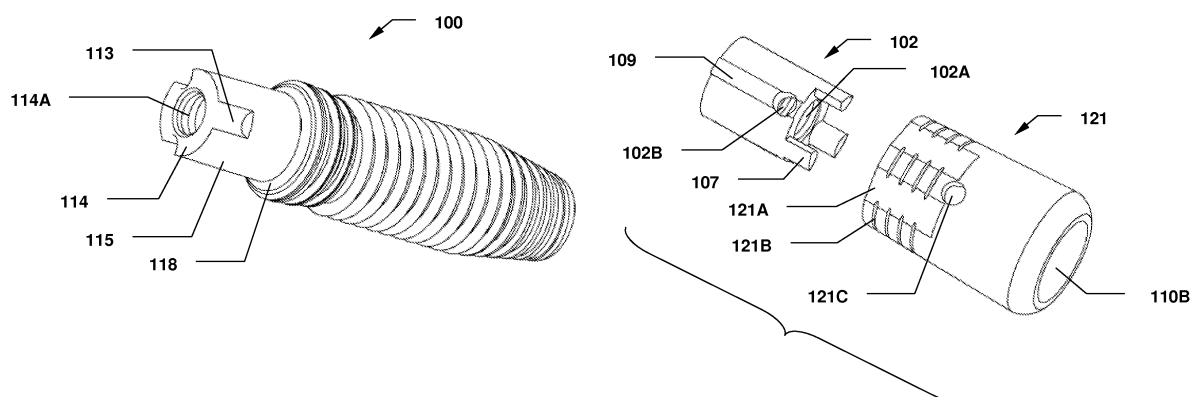
Latest standardized assignees - inventors removed

LEONE

Family 2/14 - FAMPAT - ©Questel

Title

(EP2046238)

Dental Implant System**Images****Publication data including kind & date**

WO2008016917	A2	2008-02-07	WO200816917
CA2658771	A1	2008-02-07	CA2658771
AU2007281254	A1	2008-02-07	AU2007281254
US20080032263	A1	2008-02-07	US20080032263
US20080032262	A1	2008-02-07	US20080032262
US20080254411	A1	2008-10-16	US20080254411
WO2008016917	A3	2009-04-02	WO200816917



EP2046238	A2	2009-04-15	EP2046238				
CN101505678	A	2009-08-12	CN101505678				
IN1170/DELNP/2009	A	2010-08-20	IN2009DN01170				
EP2046238	A4	2010-11-10	EP2046238				
US8469710	B2	2013-06-25	US8469710				
US20130260336	A1	2013-10-03	US20130260336				
US8734155	B2	2014-05-27	US8734155				
EP2046238	B1	2015-06-17	EP2046238				

Abstract

(EP2046238)

A **dental implant** system comprising an **implant** member, an **abutment** member and a transfer key with cooperatively engaging structures for ensuring proper alignment and orientation of an **abutment** assembled on the **implant** member and for preparing an accurate **dental** impression and mold which represents the implantation site and its relationship to adjacent teeth structures. The **abutment** has the advantage of being easily removed for maintenance, repair or replacement with minimal or no discomfort to the patient. The invention also includes a **dental implant** with an improved bone-engaging structure for enhancing **implant** stability and fixation, an O-ring type **abutment** assembly with a reduced footprint in its assembled state when compared with similar conventional systems, a surgical screw and bone screw insertion tool, a healing **abutment** that need not be removed during an impression taking procedure, and an **implant** coding system that facilitates selection and identification of **dental** implants and **implant** analogs whose dimensional attributes will produce an accurate fit between the **dental** prosthesis and the **dental implant**. Further, **dental** reconstruction and **abutment** installation methods utilizing the **dental implant** system and instruments of the invention are disclosed.

Inventors

BONDAR VITALI

Latest standardized assignees - inventors removed

WITTLEY BUNDA

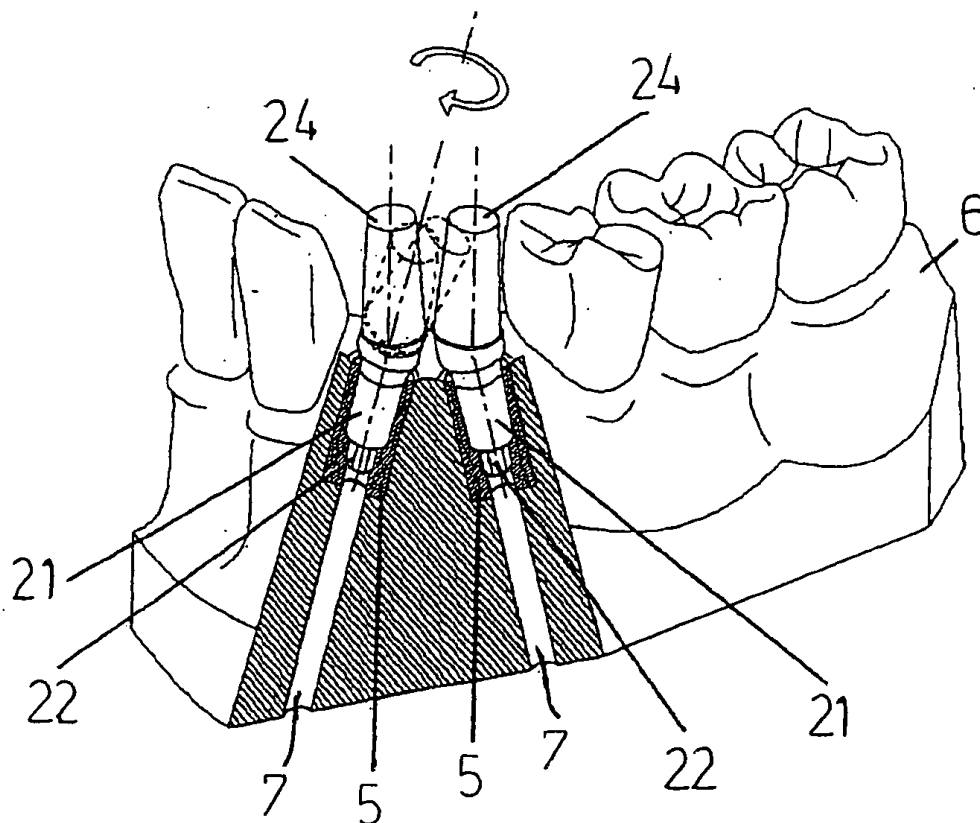
Family 3/14 - FAMPAT - ©Questel

Title

(EP2291139)

Dental implant

Images



Publication data including kind & date

ITFI20090128	A1	2009-12-27	IT2009FI0128				
WO2009157024	A1	2009-12-30	WO2009157024				
EP2291139	A1	2011-03-09	EP2291139				
JP2011525838	A	2011-09-29	JP2011525838				
US20110275030	A1	2011-11-10	US20110275030				
EP2291139	B1	2012-02-15	EP2291139				
AT545382	T	2012-03-15	ATE545382				
ES2378915	T3	2012-04-19	ES2378915				
JP5131716	B2	2013-01-30	JP5131716				
IT1398259	B1	2013-02-22	IT1398259				

Abstract

(EP2291139)

Dental implant, comprising an **abutment** (2) for connection with a fixture (1) by means of a **Morse-taper** coupling, with the installation of a truncated- cone shank (21) of the **abutment** (2) into a corresponding cavity (11) exhibited by the fixture (1), the said **abutment** (2) being provided with an appendix, having polygonal cross-section (22), which is positioned below said shank (21) and to be fitted into a corresponding impression (12) provided in the bottom of the said cavity (11) of fixture (1), the **abutment** being also provided, on the side opposite to said appendix (22) with respect to said shank (21), with a portion (20, 24) intended for supporting a **dental** prosthesis (D), the said appendix (22) can be rotated about its longitudinal axis, relative to the said shank (21) of the **abutment** (2). The said appendix (22) features an upper stem (220) whose external wall is **Morse-tapered** and the said shank (21) is internally provided with a **Morse-tapered** cavity inside which said stem (220) of the appendix (22) is destined to be fitted.

Inventors

DOLFI MAURIZIO

SCOMMEGNA GABRIELE

Latest standardized assignees - inventors removed

LEONE

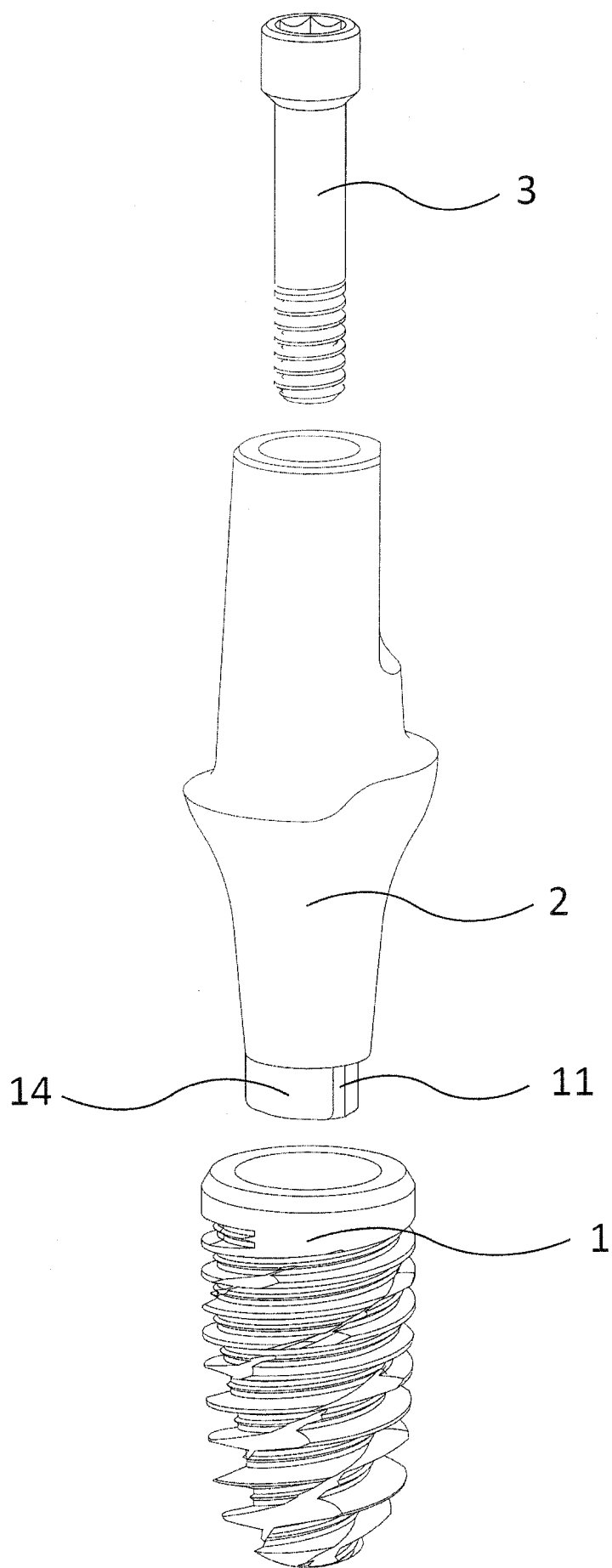
Family 4/14 - FAMPAT - ©Questel

Title

(EP2685929)

Dental implant

Images



Publication data including kind & date

WO2012123654	A1	2012-09-20	WO2012123654				
FR2972625	A1	2012-09-21	FR2972625				
CN103458819	A	2013-12-18	CN103458819				
EP2685929	A1	2014-01-22	EP2685929				
FR2972625	B1	2014-02-28	FR2972625				
EP2685929	B1	2015-04-01	EP2685929				
RU2013145874	A	2015-04-20	RU2013145874				
ES2541027	T3	2015-07-15	ES2541027				
PT2685929	E	2015-08-03	PT2685929				
RU2567832	C2	2015-11-10	RU2567832				

Abstract

(EP2685929)

The invention relates to a **dental implant** of the type comprising an anchoring base (1) having the shape of a screw provided with a blind bore and a support pillar (2) for supporting a prosthetic tooth, said **implant** and said pillar being provided with complementary connection means comprising an indexing system, the components of which can be assembled by joining or plugging together the male element of said indexing system, formed by the distal end or base of the prosthetic end or pillar (2) and comprising at least two radial branches (11) that are equally interspaced at an angle, and the print forming the female element of said indexing device, created in the bore of the anchoring base (1) and being provided with a number of lobes or notches arranged at an equal distance from each other, said number being formed by a multiple of the number of radial branches (11) of said male element (2). The invention is characterised by the combination of said indexing device (10-12) with a connection system according to which the cooperating end parts of the pillar (2) and the implantation base (1) are arranged in such a way as to enable a nesting connection of the pillar (2) and the implantation (1) base by means of a **morse-taper**-type connection system.

Inventors

BREYSSE PASCAL

Latest standardized assignees - inventors removed

BIOTECH DENTAL

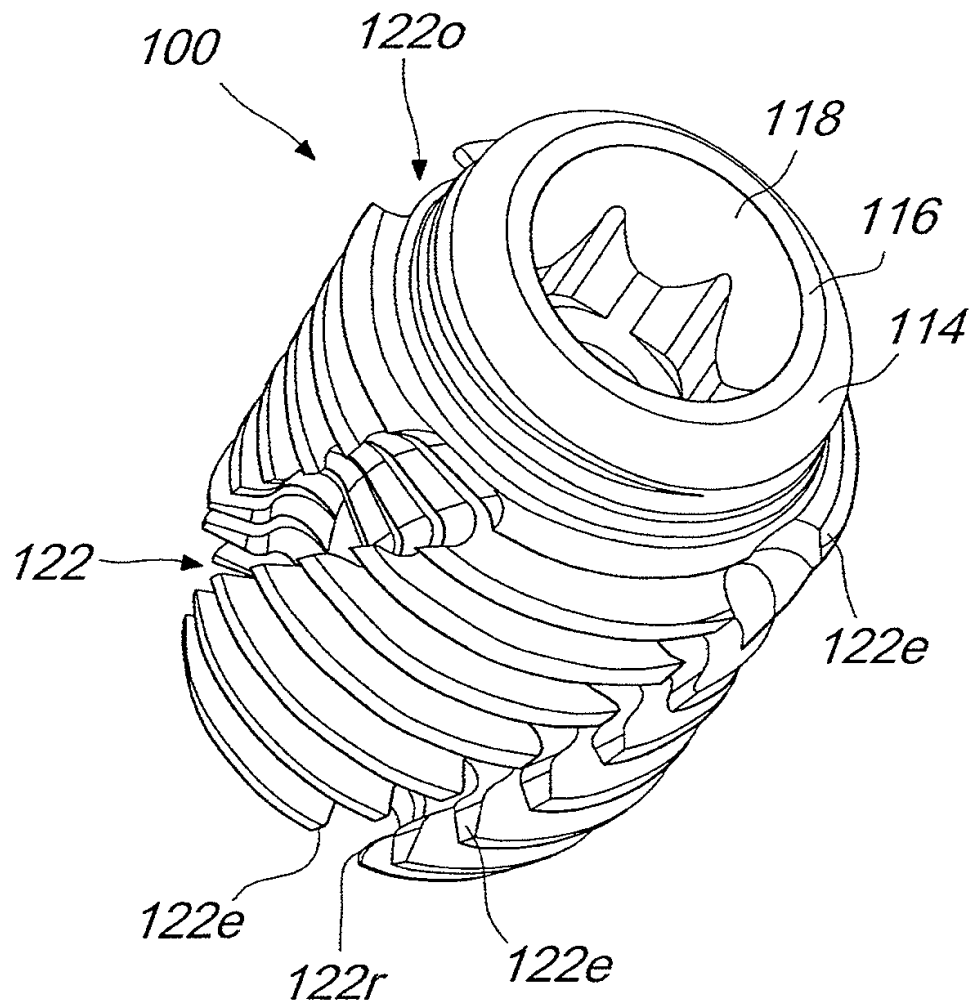
Family 5/14 - FAMPAT - ©Questel

Title

(EP3102145)

Dental implant for bone collection and distribution

Images



Publication data including kind & date

IL230833	A	2014-09-30	IL-230833
WO2015118543	A1	2015-08-13	WO2015118543
BR112016018008	A1	2016-08-16	BR112016018008
KR20160124790	A	2016-10-28	KR20160124790
EP3102145	A1	2016-12-14	EP3102145
CN106456289	A	2017-02-22	CN106456289
US20170071702	A1	2017-03-16	US20170071702
JP2017507707	A	2017-03-23	JP2017507707
BR112016018008	A2	2017-08-08	BR112016018008
EP3102145	A4	2018-04-04	EP3102145



Abstract

(EP3102145)

The present invention relates to endosseous implants and in particular, to screw form **dental** implants for implanting within bone. The bone **implant** is configured to be a self-drilling bone **implant** that is adept at condensing, collecting and distributing bone along all of the **implant's** surface and within the implantation site, to significantly increase the bone **implant** contact surface. The **implant** is configured to have a coronal portion and a body portion that are continuous with one another. The coronal portion is configured to have a smaller overall diameter than the overall diameter of said body portion. The body portion is fit with threading that facilitates the self-drilling and bone collection properties when the **implant**

is rotates in both the clockwise and counterclockwise directions.

Inventors

FROMOVICH

Latest standardized assignees - inventors removed

OPHIR FROMOVICH

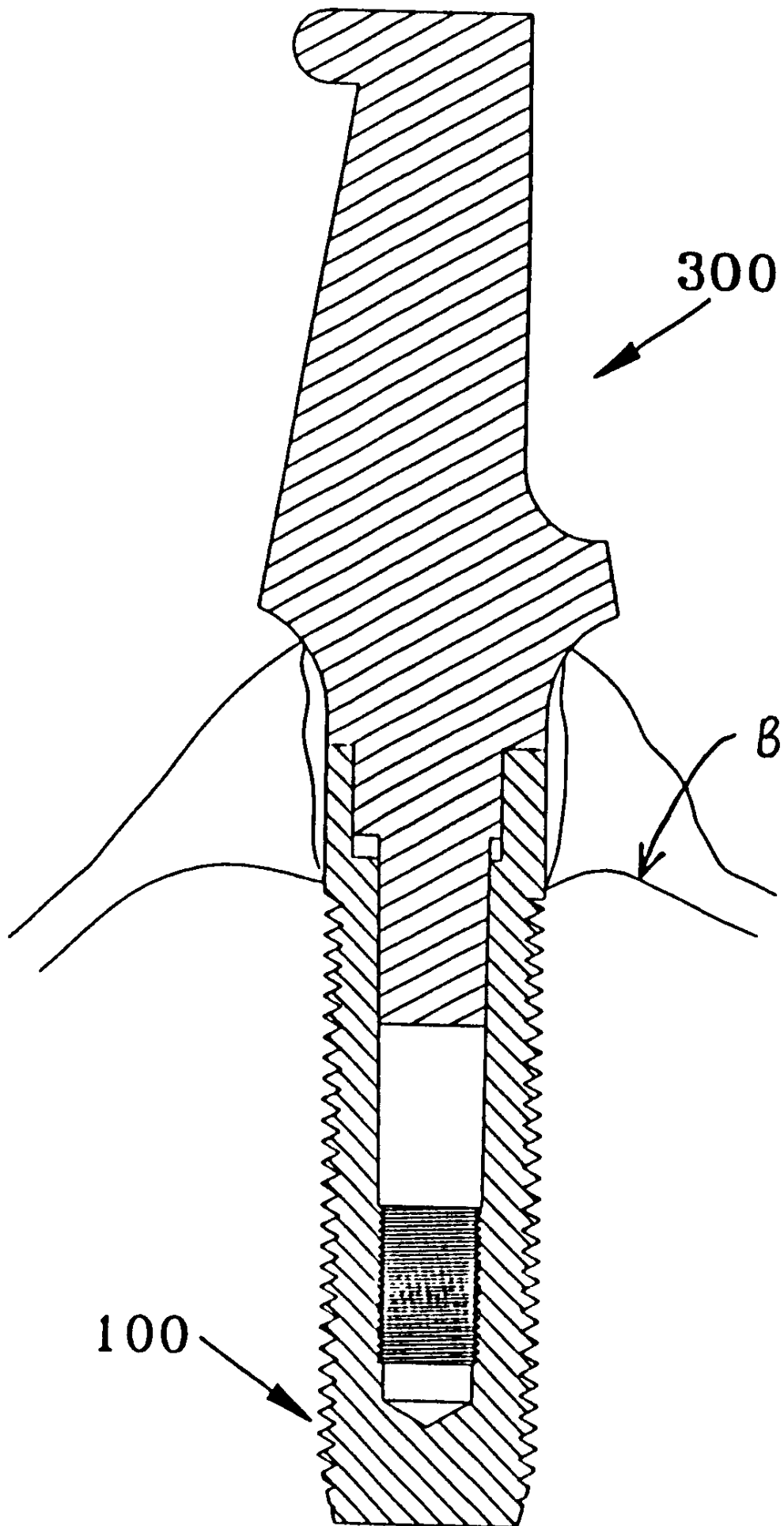
Family 6/14 - FAMPAT - ©Questel

Title

(WO200105326)

Dental implant system and method for effecting a **dental** restoration using the same

Images



Publication data including kind & date

WO200105326	A1	2001-01-25	WO200105326				
AU6077100	A	2001-02-05	AU200060771				
US6358052	B1	2002-03-19	US6358052				
US20020127518	A1	2002-09-12	US20020127518				

Abstract

(WO200105326)

A **dental implant** system comprises an **implant** fixture (100), an impression coping (300) for deployment on the **implant** fixture (100), in a **dental** impression (I), a laboratory analog (400) for deployment on the impression coping (300), in a **dental** cast (C), a spherical **abutment** (500) for deployment on the laboratory analog (400), and a multi-axis **abutment** (600) for adjustable deployment on the spherical **abutment** (500). A cover screw (200) may also be provided for selective deployment in the **implant** fixture (100). The spherical **abutment** (500), the multi-axis **abutment** (600) are used to generate a cast permanent **abutment** (700) which is received by the laboratory analog (400), and the **implant** fixture (100). The spherical **abutment** (500) comprises a hex Shaped ball (525) which is received in a corresponding hex shaped recess (620) of the multi-axis **abutment** (600) such that they pivot but do not rotate relative to one another.

Inventors

LUSTIG L PAUL

CASTELLUCCI FREDERICO

TYBINKOWSKI ANDREW P

Family 7/14 - FAMPAT - ©Questel

Title

(EP-879023)

Emergence profile system having a combined healing **abutment** and impression coping**Images**

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NO983533	A	1998-09-30	NO9803533
EP0879023	A1	1998-11-25	EP-879023
US5873722	A	1999-02-23	US5873722
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US6155828	A	2000-12-05	US6155828				
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AT326915	T	2006-06-15	ATE326915				
DE69735934	D1	2006-06-29	DE69735934				
DE69735934	T2	2006-10-26	DE69735934				
ES2265155	T3	2007-02-01	ES2265155				

Abstract

(EP-879023)

A **dental** component attaches to an **implant** implanted in living jawbone having overlying gingiva. The **implant** has an apical end embedded within the jawbone and a gingival end near an interface of the gingiva and the jawbone. The **dental** component comprises a body having a lower region, a gingival region, and a supragingival region. The lower region has an end surface to engage the gingival end of the **implant**. The gingival region extends through the gingiva and has an outer surface for forming and maintaining an aperture in the gingiva that exposes the gingival end of the **implant**. The supragingival region has a top surface projecting above the gingiva. The **dental** component includes first means for receiving a healing element and second means for receiving an impression element. The healing element includes means for fastening the body to the **implant** so as to allow the gingiva to heal around the body for an extended period of time thereby forming the aperture. The impression element includes an upper segment extending above the supragingival region for receiving impression material and means for securing the body to the **implant**. Consequently, the **dental** component serves as part of both a gingival healing component and an impression component.

Inventors

LAZZARA RICHARD J

BEATY KEITH D

GOODMAN RALPH E

Latest standardized assignees - inventors removed

BIOMET

LVB ACQUISITION

BIOMET 3I

Family 8/14 - FAMPAT - ©Questel

Title

(EP1982672)

Dental implant device

Images

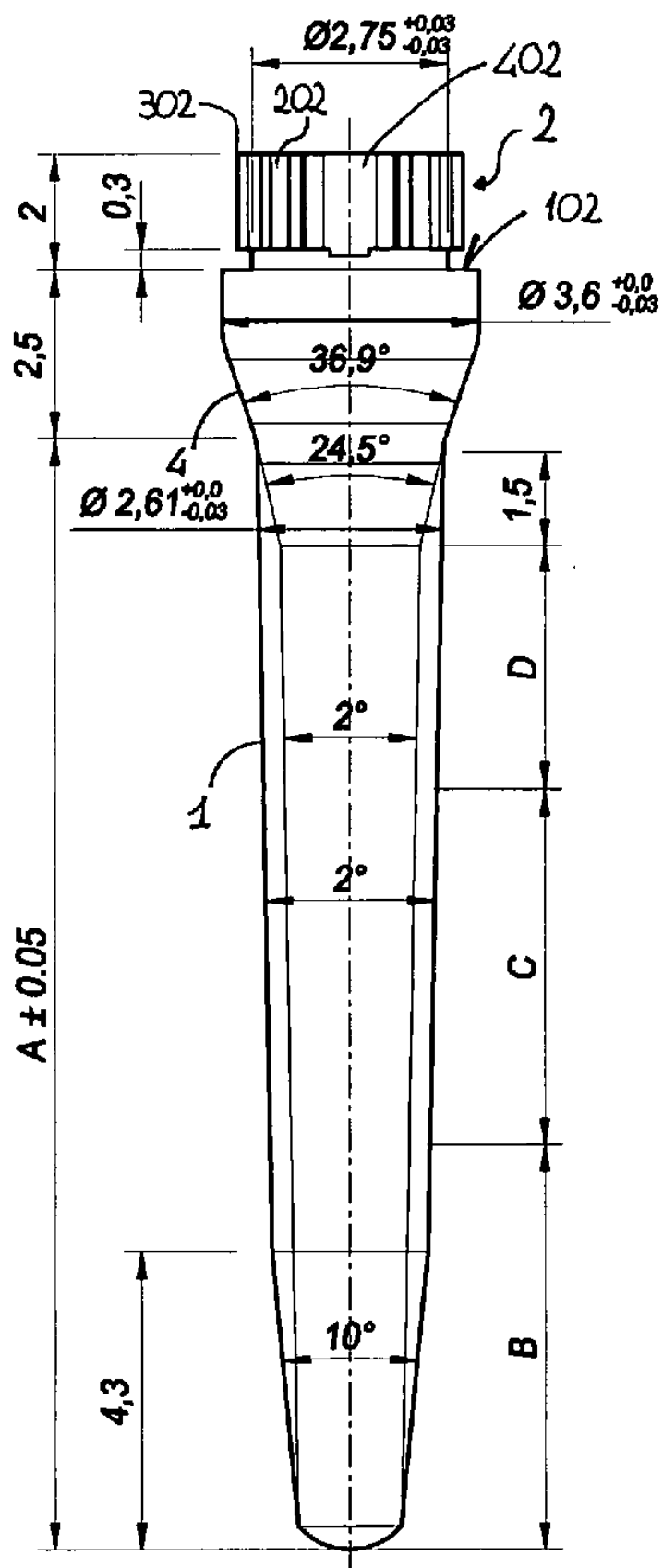


Fig. 1

Publication data including kind & date

EP1982672

A1 2008-10-22 EP1982672

**Abstract**

(EP1982672)

Dental implant device comprising an **implant** composed of an endosseous screw or pin (1), which screw (1) has an head (2) fastening a prosthesis member or a member (11) supporting said prosthesis member (so called **abutment**) that is intended to be fastened or incorporated or embedded in the prosthesis member wherein said head (2) on the side fastening the prosthesis member has a terminal, axial extension (202) having a non round cross section or an axial recess having a non round cross section, the axial extension (2) having a non round cross section and/or the corresponding axial recess (211) of the prosthesis member or of the member (11) supporting and fastening the prosthesis or viceversa the axial recess of the **implant** and/or the axial extension of the prosthesis member or of the member supporting and fastening the prosthesis being provided with a perimetral shell composed of a ring of radial teeth (302).

Inventors

BENZI RICARDO

Latest standardized assignees - inventors removed

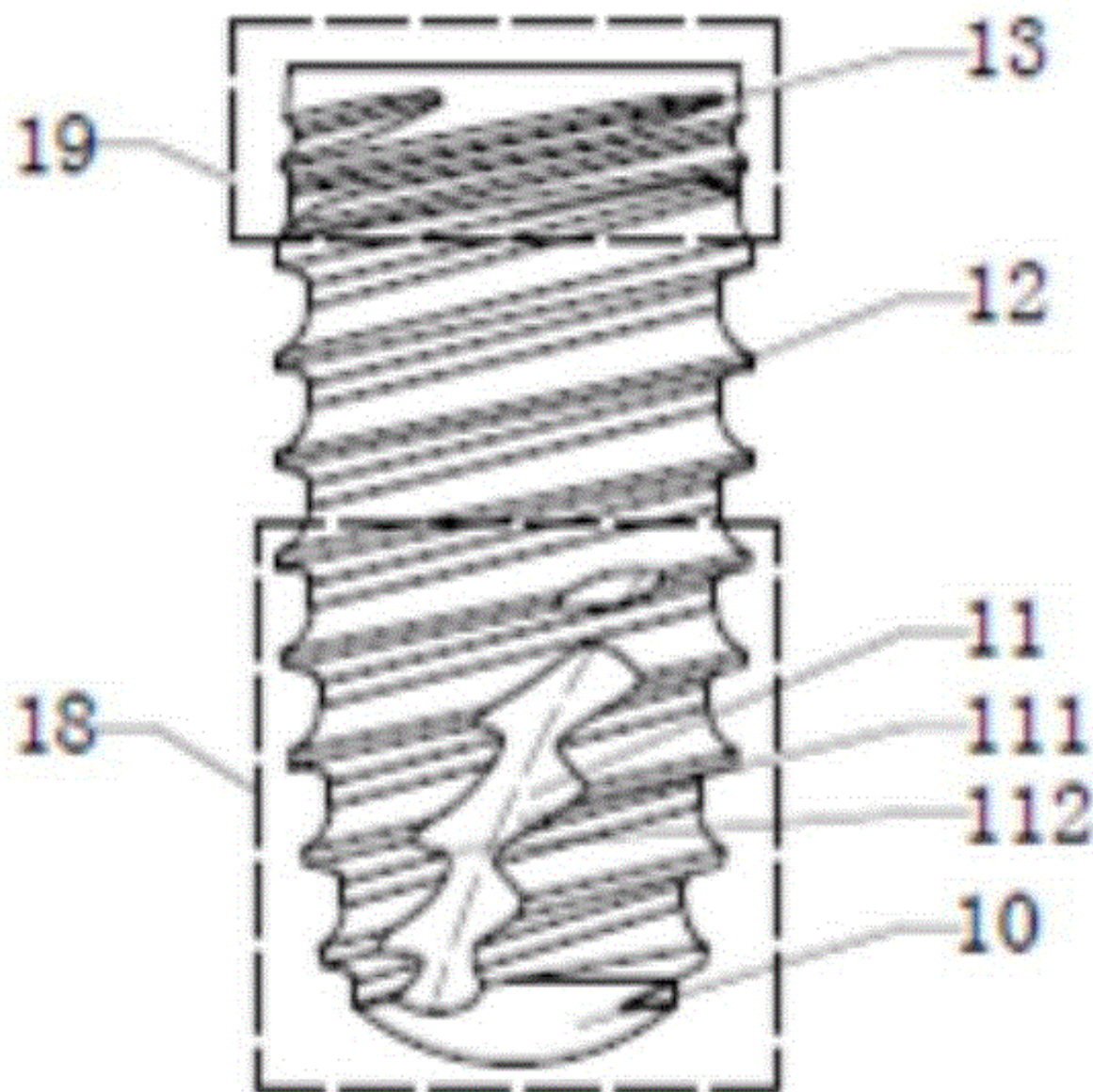
MICERIUM

Family 9/14 - FAMPAT - ©Questel

Title

(CN103550004)

Artificial **dental implant**, artificial **dental** implanting system and implanting method**Images**



Publication data including kind & date

CN103550004	A	2014-02-05	CN103550004
CN103550004	B	2016-08-17	CN103550004B



Abstract

(CN103550004B)

The invention provides an artificial **dental implant**, an artificial **dental** implanting system and an implanting method. A screwed thread is formed in the outer surface of an artificial **dental implant**, wherein a neck part and a head part are respectively arranged at two ends of the **implant**; a spiral tapping slot is formed in the outer surface of the head part, the spiral direction of the spiral tapping slot is the same as that of the screwed thread, and the spiral lead angle of the spiral tapping slot is different from that of the screwed thread. When the artificial **dental implant** is implanted, the cutting force and extrusion force of the **implant** to the bone tissues at the implanted position are reasonable, and the bone is effectively protected from injury; the artificial **dental implant** can accommodate bone chips generated in the tapping process, and the bone healing time can be shortened; the artificial **dental implant** is effectively prevented from rotating or loosening, and the service life of artificial tooth can be prolonged.

Inventors

ZHANG JIUWEN
ZHANG BAORONG
LI SHAN
PENG PENG
JIANG ZHI

QU ZHE

LI ZHENCHUN

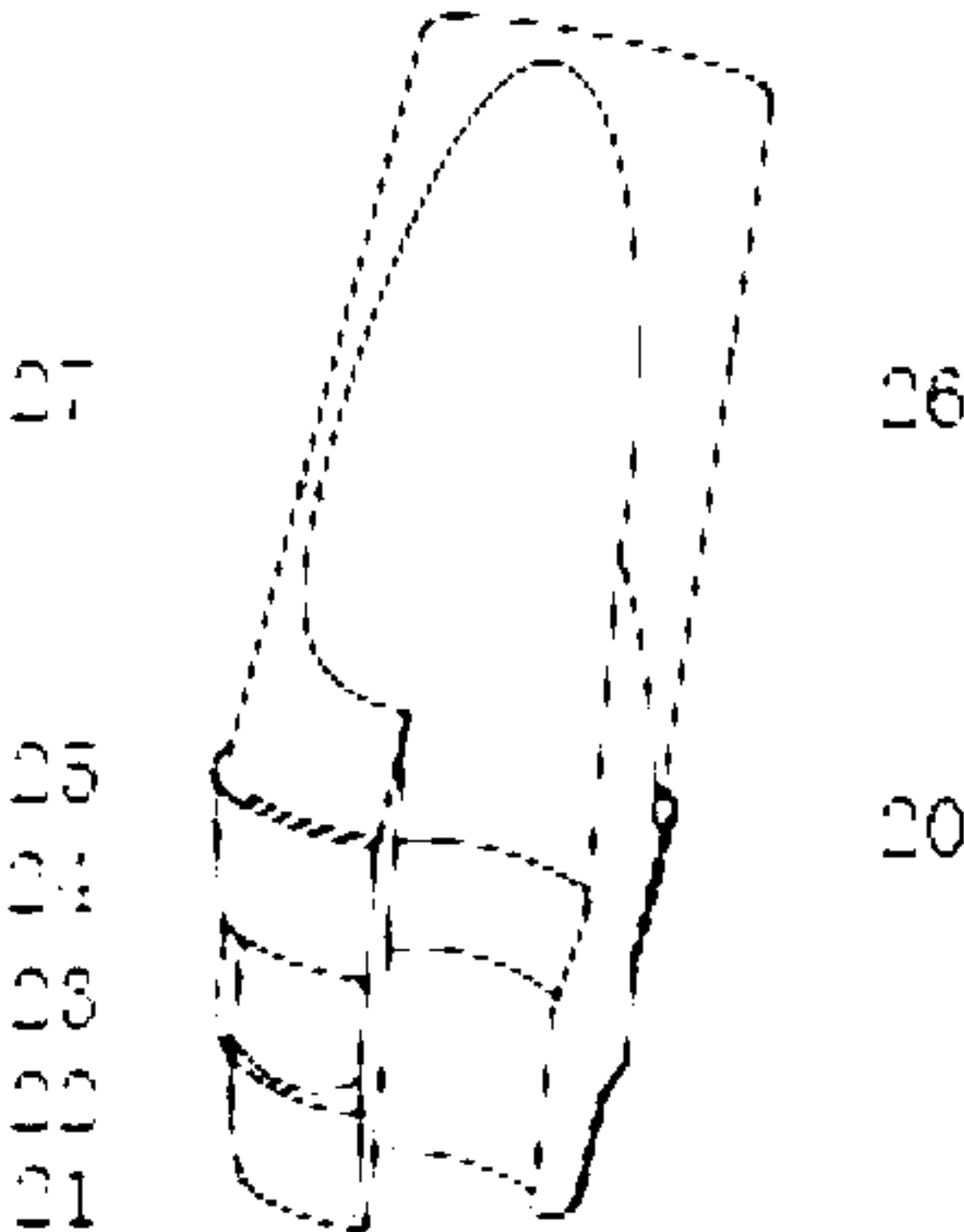
Latest standardized assignees - inventors removed

DALIAN SANSHENG TECHNOLOGY DEVELOPMENT

Family 10/14 - FAMPAT - ©Questel

Title

(CN103550002)

Artificial **dental abutment**, artificial **dental** multi-part implanting system and implanting method**Images****Publication data including kind & date**[CN103550002](#)

A 2014-02-05 CN103550002



Abstract

(CN103550002)

The invention provides an artificial **dental abutment**, an artificial **dental** multi-part implanting system and an implanting method. A crown connection section and an **implant** connection section are respectively arranged at two ends of the artificial dent **abutment**, wherein the included angle of the axis of the crown connection section and the axis of the **implant** connection section is 10-30 degrees. The artificial **dental abutment** can adapt to various oral implanting conditions and angles. An artificially implanted tooth has a harmonious and beautiful repairing effect with surrounding tissues and remained dentition by adopting the **abutment**. The invention discloses an artificial **dental** multi-part implanting system comprising the artificial **dental abutment**, wherein the **implant** is a multi-part and nonsubmerged technology combined **implant**, is high in stability and strength, and can adapt to various oral implanting conditions and angles, can be used for effectively reducing the local stress, shortening the healing time and reducing the hurt of patients.

Inventors

PENG PENG

ZHANG BAORONG

LI SHAN

ZHANG JIUWEN

JIANG ZHI

Latest standardized assignees - inventors removed

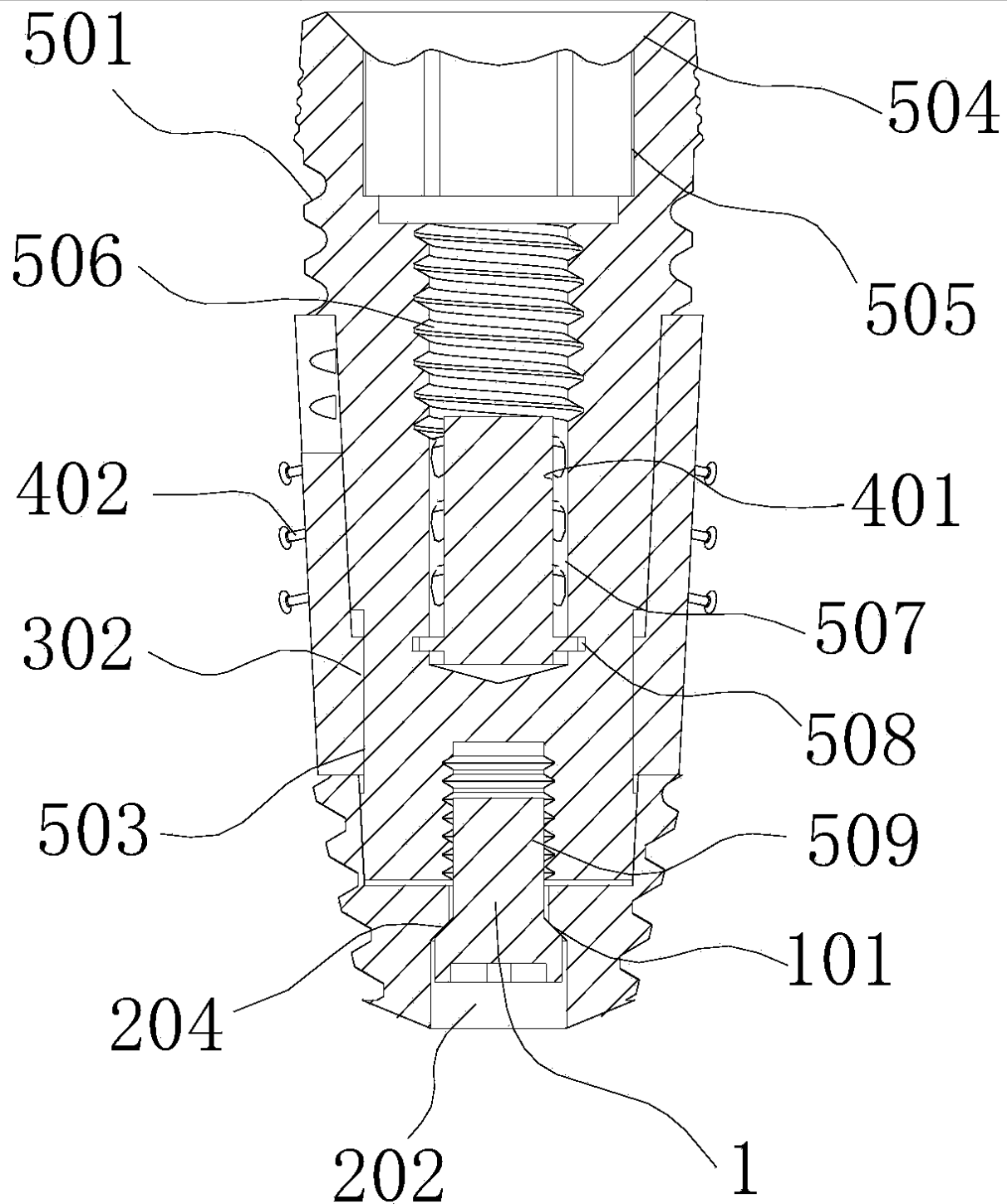
DALIAN SANSHEG TECHNOLOGY DEVELOPMENT

Family 11/14 - FAMPAT - ©Questel

Title

(CN204337069U)

Dental implant with composite structure**Images**



Publication data including kind & date

CN204337069

U

2015-05-20

CN204337069U



Abstract

(CN204337069U)

The utility model provides a **dental implant** with a composite structure. By adopting effective structural design, as well as different materials and manufacturing manners, the **dental implant** is divided into five parts namely a fastening bolt, a thread **implant** segment, a porous **implant** segment, an antenna supporting structure and an **implant** body which are integrated to form the composite structure; the **dental implant** has good strength, better synostosis capability and good preliminary stability; the main frame of the composite **implant** is composed of the thread **implant** segment, the fastening bolt and the **implant** body, and the overall strength of the **dental implant** is guaranteed; the composite structure overcomes the defects caused by the singular manufacturing manner, and fully exerts the advantages of the structural design, the manufacturing manners and the materials; the antenna supporting structure which is made of a degradable material can better guide osteogenesis and enhance the overall preliminary stability of the **implant**, and can be used for immediate implantation; the outer porous structure optimizes the overall material elastic modulus of the **implant**, and better facilitates

combination of preliminary osteogenic growth and guidance; the matched expansion structure enhances preliminary stability of synosteosis as well.

Inventors

ZHANG XIAO

XIE ZHANGONG

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Latest standardized assignees - inventors removed

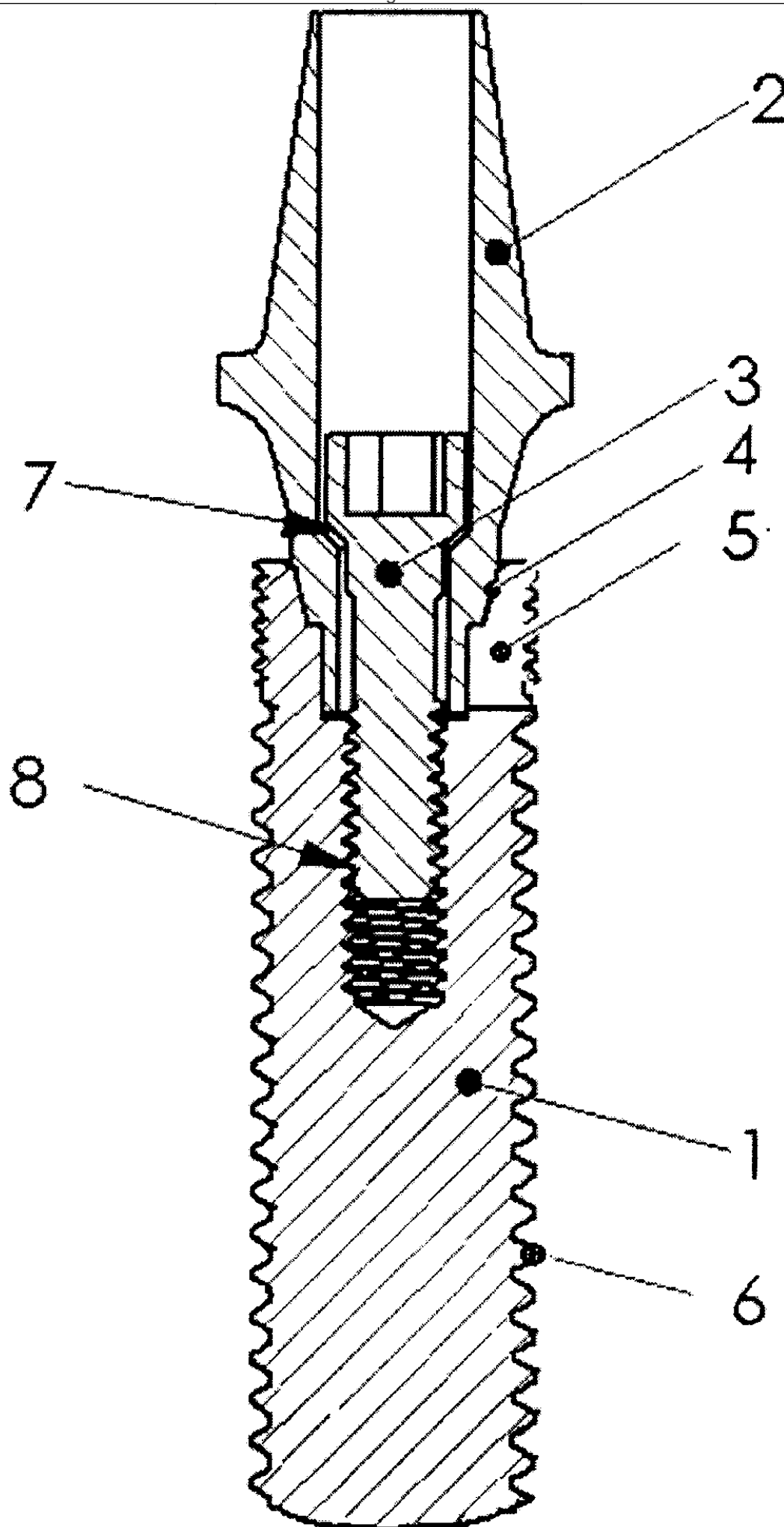
GUANGZHOU JIANCHI BIOTECHNOLOGY

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Title

(CN104000664)

Elastic-expansion immediate implantation type **dental implant** system**Images**



Publication data including kind & date

CN104000664

A 2014-08-27 CN104000664

**Abstract**

(CN104000664)

The invention belongs to a medical apparatus, and concretely provides a **dental implant** system having an elastic expansion function and suitable for delayed implantation and immediate implantation. The system is characterized in that the system includes an **implant** (1), a base station (2) and a connecting screw (3). The external of the **implant** (1) has an external screw thread-shaped or columnar structure (6), the top of the **implant** (1) is provided with two or more cutting grooves (5), the base station (2) is conically connected (4, 7) with the **implant** (1) and the connecting screw (3), and the **implant** (1) has a threaded connection (8) with the connecting screw (3). The **dental implant** system spontaneously has a spontaneous elastic expansion function, the base station is mounted from the top of the **implant**, and the conical inclination of the base station is used to urge the cutting grooves at the top of the **implant** to open in order to realize an initial fixing effect, prevent the loosening and shedding of the **implant** system and meet the immediate planting.

Inventors

MAO ZHIHONG

Latest standardized assignees - inventors removed

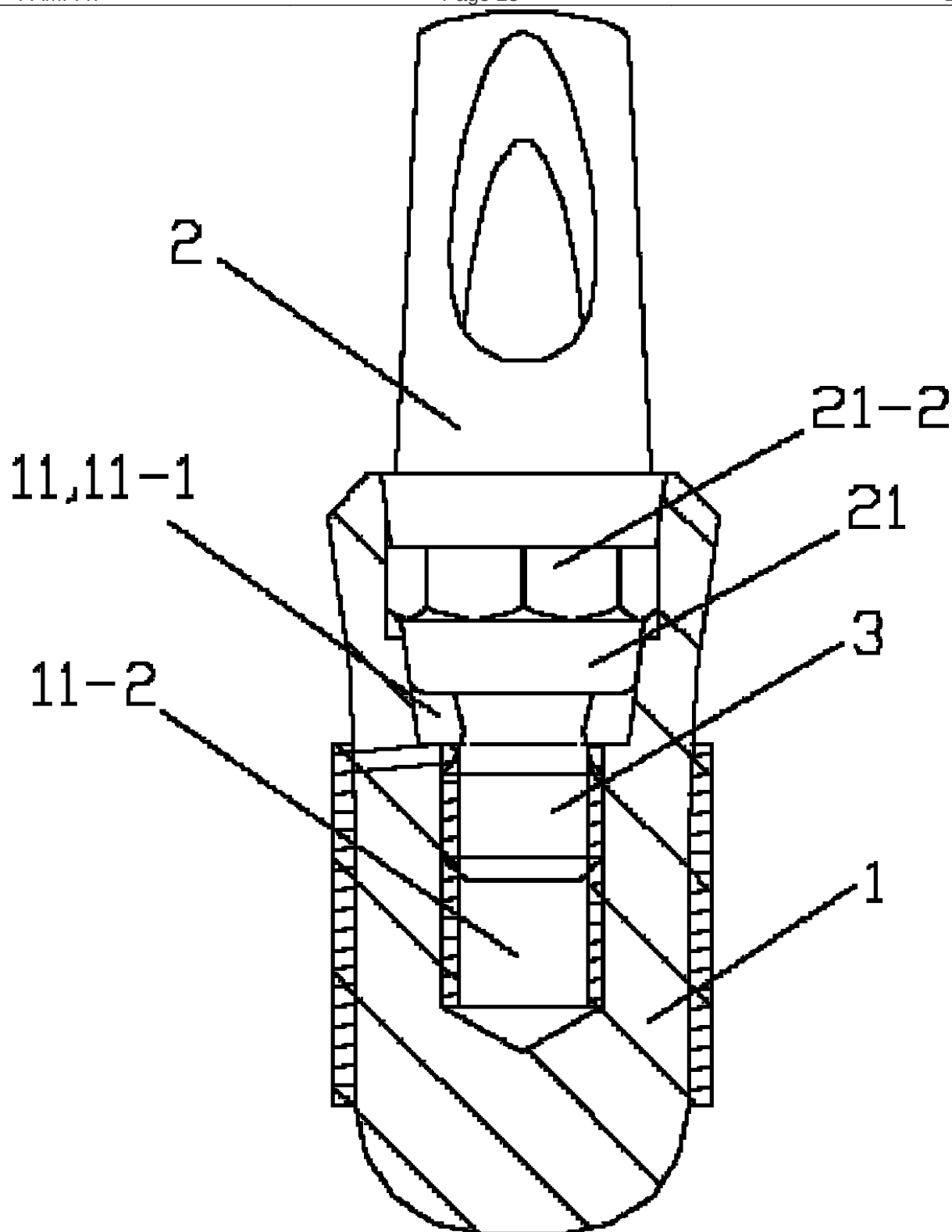
GUANGXI UNIVERSITY

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Title

(CN201642387U)

Dental implant**Images**



Publication data including kind & date

CN201642387

U

2010-11-24

CN201642387U



Abstract

(CN201642387U)

The utility model discloses a **dental implant**, which comprises an **implant**, a base, a central screw and an expansion ring. A helical structure is arranged on the periphery of the **implant** and fixed in an alveolar bone via threads, an inner hole is arranged on the **implant**, a tapered hole is arranged at the upper end of the inner hole while a screw hole is arranged at the lower end of the inner hole, the lower end of the central screw is in thread connection with the screw hole of the **implant**, the lower end of the base is provided with a tapered pole matching with the tapered hole of the **implant**, a slot is arranged in the tapered pole, the tapered pole of the base is inserted in the tapered hole of the **implant**, the upper end of the central screw is connected in the slot of the tapered pole of the base, the tapered hole of the **implant** is a **Morse** tapered hole, a

central section of the tapered hole is provided with an internal octagonal mechanism, and the central section of the tapered pole of the base is provided with an octagonal mechanism matching with the internal octagonal mechanism of the implant. By aid the structure of the dental implant, the base can be tilted to various directions and can be connected with the implant more firmly, and 'cold welding' can be realized under sufficient anti-torsion friction.

Inventors

ZHANG XIANG

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Latest standardized assignees - inventors removed

BRITISH MEDICAL DEVICES

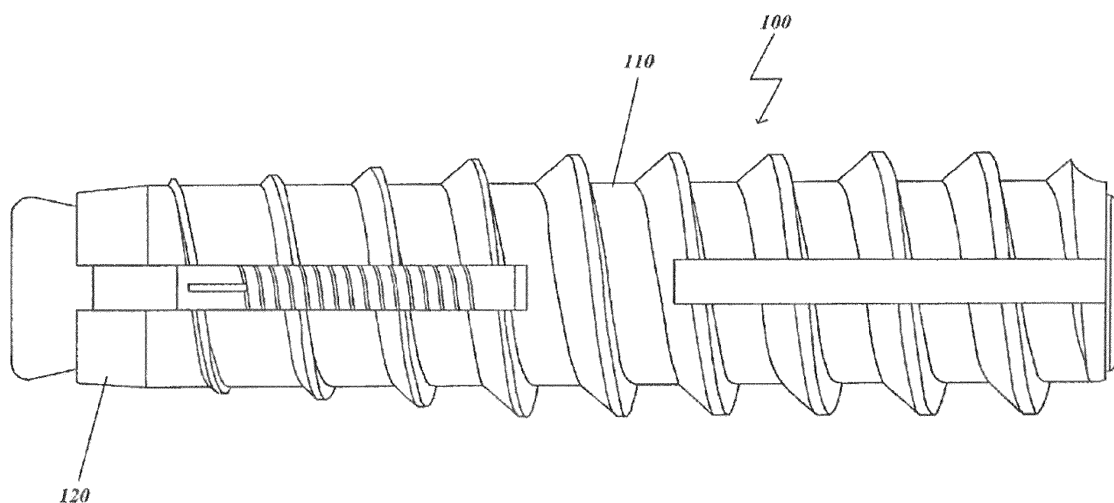
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Title

(US9055985)

Dental abutment with cover

Images



Publication data including kind & date

US20080208264	A1	2008-08-28	US20080208264
US20120058451	A1	2012-03-08	US20120058451
US20120064488	A1	2012-03-15	US20120064488
US20120064487	A1	2012-03-15	US20120064487
US8696720	B2	2014-04-15	US8696720
US8828066	B2	2014-09-09	US8828066
US9055985	B2	2015-06-16	US9055985



Abstract

(US9055985)

A **dental implant** assembly comprises an **implant** body adapted for securement within a bore in a jaw bone of a patient. The **implant** body has a portion with an external thread for engaging the bore. An **abutment** has a top portion and a bottom portion. The top portion of the **abutment** is adapted to secure a prosthetic component. The bottom portion of the **abutment** is attachable to the **implant** body and adapted to be positioned below a gumline of the patient, the **abutment** formed of a first material. A cover is sized and shaped to cover the bottom portion of the **abutment** and adapted to be positioned below the gum line, without covering the top portion of the **abutment**. The cover is formed from a second material having a different color from the first material.

Inventors

LAZAROF SARGON