

1) Family number: 52133243 (US2012264083A)

Title: FIXTURE AND A FIXTURE SET AND A METHOD

Abstract: The present invention relates to a fixture, such as a dental fixture, for insertion into a bore hole arranged in bone tissue, comprising a threaded leading portion and a threaded trailing portion located coronally of the leading portion. By a widened threading at the trailing portion, the bone tissue is subjected to a static strain beyond the yield strain of the bone tissue. The invention also relates to a fixture set and to a method of insertion of a fixture into a bore hole arranged in bone tissue.

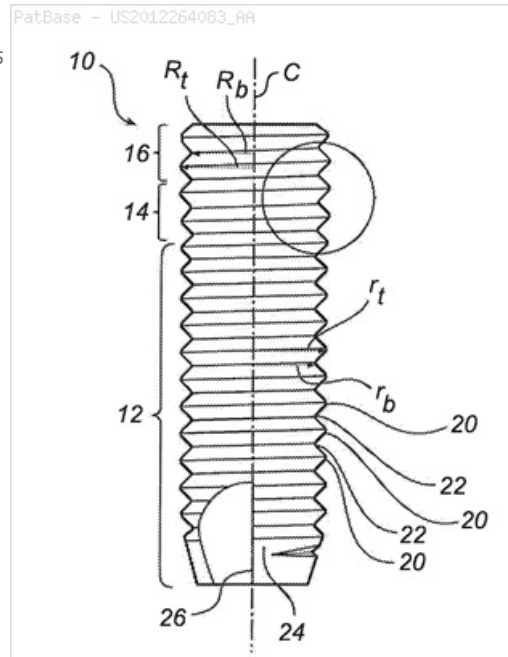
Classifications:

International (IPC 8-9): A61C8/00 (Advanced/Invention)

CPC: A61C8/009 A61C8/0018 A61C8/0022 A61C8/0024 A61C8/0025
A61C8/0089

European: A61C8/00F A61C8/00F2 A61C8/00F2M A61C8/00T
K61C8/00F2 K61C8/00F2M

US: 1/1 433/173 433/174



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20190567550	20190911				

Probable Assignee: DENTSPLY INT INC

Assignee(s): (std): ASTRA TECH AB ; DENTSPLY IH AB ; HALLDIN ANDERS ; HANSSON STIG ; HOLMSTROEM JOHAN ; DENTSPLY SIRONA INC ; DENTSPLY INT INC

Assignee(s): HOLMSTROM JOHAN

Inventor(s): (std): HALLDIN ANDERS ; HANSSON STIG ; HOLMSTROEM JOHAN ; HOLMSTROM JOHAN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FETHERSTONHAUGH AND CO; OESTERGREN MARKUS; SOMLO TOMMY; AWAPATENT AB; AWA SWEDEN AB; LEANA; DOUGLAS J; DAVID A

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 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

2) Family number: 51511075 (US2013289950A)

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Title: METHODS, SYSTEMS AND ACCESSORIES USEFUL FOR PROCEDURES RELATING TO DENTAL IMPLANTS

Abstract: A system and method for manufacturing a physical model of a dental structure wherein the physical model is configured to allow a dental analog to be inserted into the physical model. A virtual model of the dental structure is provided including a virtual implant spatial disposition with respect to the virtual model corresponding to a physical implant spatial disposition of the dental implant. Using the virtual model, a physical model corresponding to the virtual model is manufactured, the physical model being provided with a physical analog corresponding to the virtual analog. The physical analog installation structure is configured for enabling a dental analog, corresponding to the dental implant, to be inserted. In the installed position, the dental analog has an analog spatial disposition with respect to the physical model corresponding to the physical disposition of the dental implant with respect to the physical dental structure.

Classifications:

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

G06F17/50 (Advanced/Invention)

CPC: A61C8/0001 A61C13/0004

European: A61C13/00C1 A61C8/00B



Priority:

Probable Assignee: CADENT LTD

Assignee(s): (std): KOPELMAN AVI ; CADENT LTD ; ALIGN TECHNOLOGY INC

Inventor(s): (std): KOPELMAN AVI

Agent(s): BROOKES BATCHELLOR LLP; WILSON SONSINI GOODRICH AND ROSATI; REINHOLD COHN AND PARTNERS

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 QA RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TI TM TN TR TT TZ UA UG US UZ VV VN ZA ZM ZW

3) Family number: 50956900 (US2012178049A)

Title: DENTAL COMPONENT, A DENTAL FIXTURE, A DENTAL IMPLANT ASSEMBLY AND A DENTAL IMPLANT SYSTEM

Abstract: The present invention relates to a dental component, which can only be connected in one indexing position in one type of dental fixture, but in any one of a plurality of indexing positions with another type of dental fixture. The dental component is provided with primary projections which are not completely evenly distributed around the circumference of an engagement portion of the dental component. The invention also relates to a dental fixture, a dental implant assembly and a dental implant system.

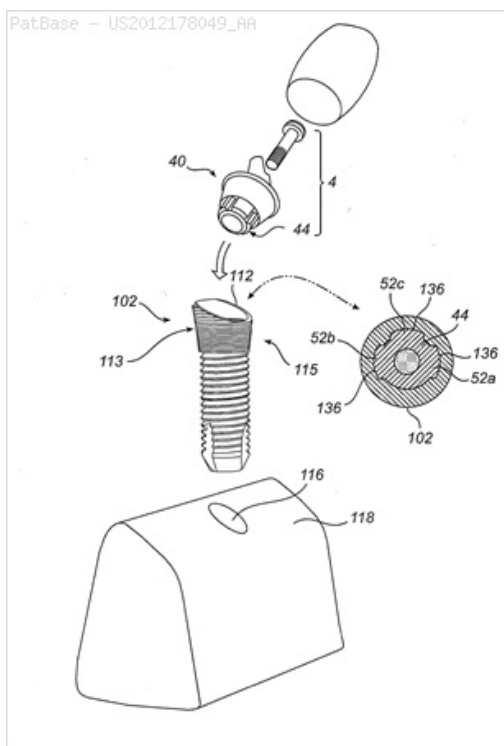
Classifications:

International (IPC 8-9): A61C8/00 (Advanced/Invention)

CPC: A61C8/0018 A61C8/005 A61C8/0066

European: A61C8/00F A61C8/00G1 K61C8/00G1P

US: 433/173 433/173S 433/174 433/174P



Family:

Publication number	Publication date	Application number	Application date
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Priority:

EP20100188218 20101020 US20100394883P 20101020 CN201180049549 20111019
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Probable Assignee: DENTSPLY INT INC

Assignee(s): (std): HOLMSTROEM JOHAN ; HOLMSTROM JOHAN ; MARKLUND MATTIAS ; WENDEL MATS ; DENTSPLAJ IKH AB ; ASTRA TECH AB ; DENTSPLY IH AB

Assignee(s): DENTSPLY INT INC

Inventor(s): (std): KHOLMSTREM JOKHAN ; MARKLUND MATTIAS ; HOLMSTROEM JOHAN ; HOLMSTROM JOHAN ; VENDEL MATS ; WENDEL MATS

Inventor(s): JOHAN HOLMSTROEM ; MATS WENDEL ; MATTIAS MARKLUND

Agent(s): SOMLO TOMMY ; AWA SWEDEN AB

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 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

4) Family number: 45440733 (US2010151420A)

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Title: FIXTURES FOR DENTAL IMPLANTS

Abstract: A coping for use in a dental implant is disclosed. The coping may comprise a material capable of forming a chemical bond to a restorative tooth. The restorative tooth chemically bonds to the coping when cured.

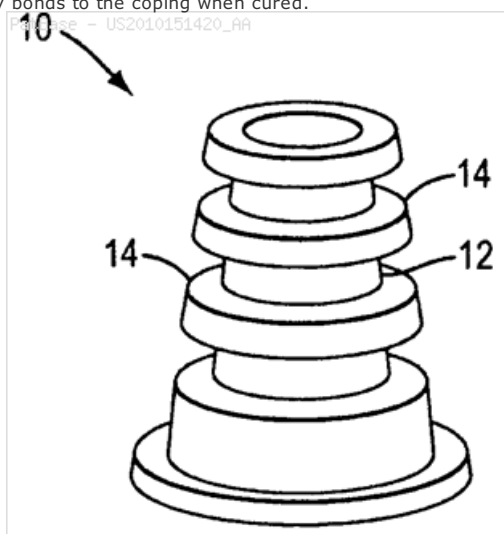
Classifications:

International (IPC 8-9): A61C13/00 A61C13/087 A61C13/103 A61C13/107 A61C13/225 A61C8/00 A61C9/00 A61F2/02 A61K6/083 A61L27/02 A61L27/04 (Advanced/Invention); A61C13/00 A61C13/08 A61C13/225 A61C8/00 A61C9/00 A61F2/02 A61L27/00 (Core/Invention)

CPC: A61C13/2656 A61C8/0001 A61C8/0016 A61C8/0048 A61C8/008 A61C13/0001 A61C8/0012 A61C8/0054 A61C8/0069 A61C8/0071 A61C8/0062 A61C8/0074 A61K6/889

European: A61C13/00B A61C8/00B A61C8/00E3 A61C8/00G1T K61C8/00G1T

US: 1/1 433/173 433/173P 433/193 433/193P 433/201.1 433/214 433/214P 433/215 433/215S 433/228.1 433/228.100S 623/11.11 623/11.110S



Family:

Publication number	Publication date	Application number	Application date
EP2373248 A2	20111012	EP20090832404	20091203
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Priority:

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Probable Assignee: AETON MEDICAL LLC

Assignee(s): (std): AETON MEDICAL LLC ; HOGAN STEPHEN ; KRIVORUK ANATOLI ; RANCK ROGER S

Inventor(s): (std): HOGAN STEPHEN ; KRIVORUK ANATOLI ; RANCK ROGER S

Agent(s): TANTY FRANCOIS; OBRIEN JONES PLLC; JONES ROBB PLLC; JONES SUSANNE T

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 31448588 (US5885079A)

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Title: Selective surface, endosseous dental implants

Abstract: Endosseous dental implants having generally cylindrical-shaped or tapering bodies and, in some cases, external threads or ribs over a substantial portion of their external surface, may include internal or external wrench-engaging surfaces at the proximal end portion and include, below a relatively smooth proximal end or neck portion, an external transition zone with a rougher surface, and a body portion having greater surface roughness than the transition zone, or, on the body portion, an HA or TPS coating, to promote attachment of the implant to bone tissue when the implant is placed in a passage formed in bone tissue to receive the implant.

Classifications:

International (IPC 8-9): A61C13/273 A61C8/00 (Advanced/Invention); A61C13/225 A61C8/00 (Core/Invention)

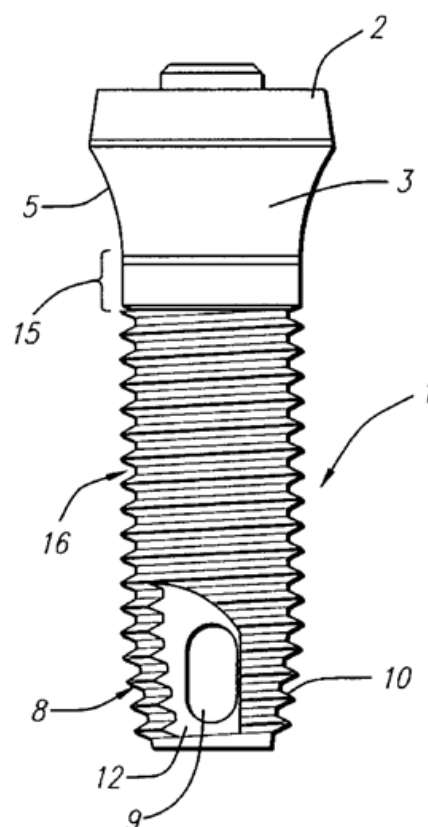
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CPC: A61C8/0022 A61C8/0039

European: A61C8/00F2 A61C8/00F30B

US: 132/174 433/174

PatBase - US5885079_A



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: CENTERPULSE DENTAL INC

Assignee(s): (std): CORE VENT CORP

Assignee(s): NIZNICK GERALD A ; SULZER CALCITEK INC ; SULZER DENTAL INC ; ZIMMER DENTAL INC ; CENTERPULSE DENTAL INC ; CORE VENT BIO ENGINEERING CORP

Inventor(s): (std): NIZNICK GERALD A

Agent(s): BORDEN LADNER GERVAIS LLP; NAKAMURA GIHEI; NODA HISATO; SAKAI MASAYUKI; HORII YUTAKA; MORITA TOSHIO; FUKAMI HISAO

6) Family number: 63932952 (US2018140389A)

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Title: DENTAL IMPLANT

Abstract: A dental implant adapted for implanting within a jaw bone, the implant comprising a horizontally-oriented body having a length extending in the mesial-distal direction of the jaw bone, the body having a threaded cavity dimensioned for receiving a prosthetic abutment, and wherein the cavity comprises an opening that is located wholly within a buccolingual width of the body.

Classifications:**International (IPC 8-9):** A61B17/06 A61C8/00 A61F2/28

A61F2/30 (Advanced/Invention)

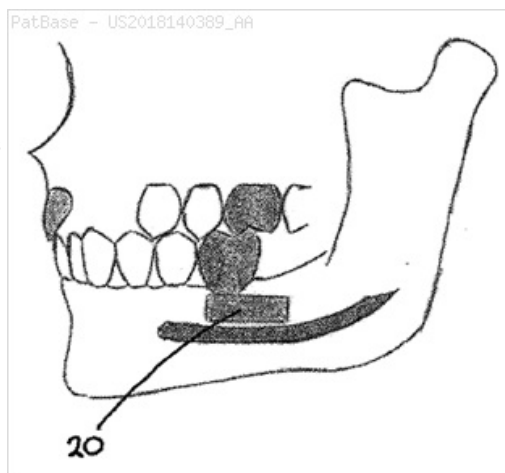
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US: 1/1 433/174**Family:**

Publication number	Publication date	Application number	Application date
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US2018140389 AA	20180524	US20160572442	20160506
WO16176744 A1	20161110	WO2016AU50339	20160506

Priority:

AU20150901651 20150507 AU20160900901 20160310 WO2016AU50339 20160506

Probable Assignee: UNIV MELBOURNE**Assignee(s):** (std): UNIV MELBOURNE ; UNIV OF MELBOURNE**Assignee(s):** OF MELBOURNE UNIV**Inventor(s):** (std): GAZELAKIS EFTHIMIOS ; JUDGE ROY ; PALAMARA JOSEPH**Agent(s):** DAVIES COLLISON CAVE PTY LTD; LAVOIX

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

7) Family number: 52597742 (US2014127644A)

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Title: OVAL SECTION DENTAL IMPLANT

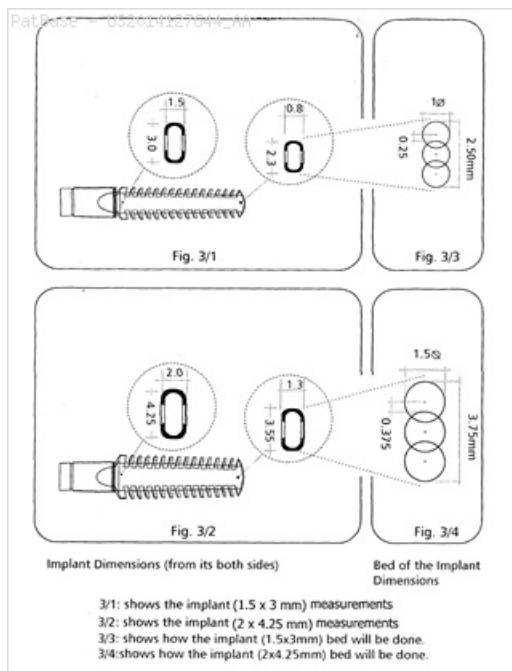
Abstract: This invention concerns a dental implant with an oval section which allows making implants in places which were not able to make it in them before, because its being narrow in one of the directions distal-mesial or lingual-buccal. The design allows a better cosmetic and gingival case when making implant operation in molar place where two implants are putted distal-mesial and in case of lower incisors. The implant provides high primal stability and big space for the attached surfaces and gives a high performance against the chewing forces.

Classifications:**International (IPC 8-9):** A61C1/08 A61C8/00 (Advanced/Invention)**CPC:** A61C8/005 A61C8/0087 A61C8/0089 A61C8/0037 A61C8/0022

A61C8/0072 A61C1/084 A61C8/0018 A61C8/0092 A61C8/0019

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US: 1/1 433/173 433/174 433/176



Family:

Publication number	Publication date	Application number	Application date
US2014127644 AA	20140508	US20110125607	20110622
US2016235503 AA	20160818	US20160140995	20160428
WO12173577 A1	20121220	WO2011SY00002	20110622

Priority:

SY20110060140 20110613 WO2011SY00002 20110622 US20130125607 20131212
 US20160140995 20160428

Probable Assignee: HAYDAR IMAD

Assignee(s): (std): HAYDAR IMAD

Inventor(s): (std): HAYDAR IMAD

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 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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW