



New connection on: : 20-04-2018 : 17:52:34 - Last disconnection on: : 19-04-2018 : 08:33:06

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[No database/cluster active] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 1] clamp* and (fixing or fixation)

Results in EPODOC 0

EPODOC: term 'CLAMP*' not found in index 'BI'. WARNING(1)

[SS 2] clamp+ and (fixing or fixation)

Results in EPODOC 167.061

[SS 3] * and A61B17/c/low

Results in EPODOC 1.872

[SS 4] * and PD<2014-09-24

Results in EPODOC 1.659

[SS 5] * and (A61B17/00/c or A61B7/64/c)

Results in EPODOC 2

EPODOC: term 'A61B7/64' not found in index 'C'. WARNING(1)

[SS 6] * and (A61B1700/c or A61B764/c)

Results in EPODOC 0

EPODOC: term 'A61B1700' not found in index 'C'. WARNING(1)

 1 similar messages

EPODOC: term 'A61B764' not found in index 'C'. WARNING(1)

[SS 7] * and (A61B17/00/c or A61B17/64/c)

Results in EPODOC 0

[SS 8] 4 and (A61B17/00/c or A61B17/64/c)

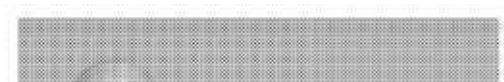
Results in EPODOC 10

[SS 9] ..li



1/10 © EPODOC / EPO

PN - [US2014031822](#) A1 20140130
PNFP - US8915914 B2 20141223
PR - US201313939246
20130711; US201261675493P
20120725
AP - US201313939246 20130711
DT - *; Rep
CT - || STSE (B2)
[US5971984](#) A 19991026 [
] (TAYLOR JOHN CHARLES [US], et
al)
[US6860883](#) B2 20050301 [
] (JANOWSKI BRIAN P [US], et al)
[US7169149](#) B1 20070130 [
] (HAJIANPOUR MOHAMMED ALI
[US])
[US2009018541](#) A1 20090115 [
] (LAVI ABRAHAM [US])
[US2009024128](#) A1 20090122 [
] (NAKAMURA KOZO [JP], et al)
[US2009318920](#) A1 20091224 [
] (JACOBS FRED J [ZA])
- || R141 (A1)
[US6860883](#) B2 [];
[US5971984](#) A [];
[US7169149](#) B1 [];
[US2009018541](#) A1 [];
[US2009024128](#) A1 [];
[US2009318920](#) A1 []
CCI - [A61B17/645](#) ; [A61B17/6458](#) ;
[A61B17/72](#) ; [A61B17/848](#)
CUI - [A61B17/64](#)
CCA - [A61B17/62](#)
PA - (A1 B2)



ORTHOFIX SRL [IT]

TI	- (A1 B2) Method for Treating a Fracture of a Bone Having a Medullary Canal
AB	- (A1 B2) A method for treating a fracture of a bone with a medullary canal. A first and a second group of three elongated monocortical pins are provided. Each pin has a stem with a first end portion having a conical shape with an external thread for insertion into a cortical portion of a bone. Each pin of the first and second group of three monocortical pins is inserted a predetermined distance from the bone fracture, and penetrates only into the cortical portion of the bone without reaching the medullary cavity, the pins of the first and second group being inserted such that they are not coplanar to each other. The stems of the pins of the first and groups are blocked to a first and a second common clamp element respectively. The first and second clamp elements are joined to a common rod to form a rigid external fixation system.

2/10 © EPODOC / EPO

PN	- WO2013093166 A1 20130627
PR	- ES20110031310U 20111221; ES20110031316U 20111222
AP	- WO2012ES70894 20121220
DT	- *; Rep
CT	- [ES] ISR (A1) WO9837823 A1 19980903 [X] (KHAN MUHAMMAD TAHIR [GB], et al); GB2057887 A 19810408 [X] (LINK WALDEMAR GMBH CO); US5042462 A 19910827

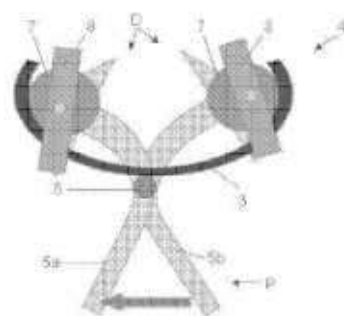


FIG. 6A

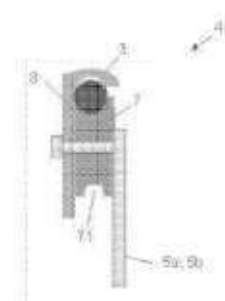


FIG. 6B

[X] (BREMER PAUL W [US]);
WO2006075909 A2 20060720
 [A] (TORRES GONZALEZ RUBEN
 [MX])

CCI - A61B17/62 ; A61B17/64 ;
A61B17/8869 ; A61B17/8872

CCA - A61B17/8866

PA - SERVICIO ANDALUZ DE SALUD [ES]

TI - BONE-**FIXATION** DEVICE AND
 OPENING TENSOR FOR SAME

AB - The invention relates to a novel
 bone-**fixation** device for various
 uses which is based on a C-
clamp which can be used for
 skeletal traction or for reducing
 fractures, which includes a novel
 opening tensor especially
 designed to enable easier
 handling of the aforementioned
 bone-**fixation** device, specifically
 for controlled opening and
 closing of the arms of the C. The
 devices according to the
 invention are used in bone-
 supported **fixation** for
 immobilising displaced
 fractures and the like.

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PN - US2013165931 A1 20130627

PNFP - US9273715 B2 20160301

PR - US201313775706
 20130225; US20100782938
 20100519; US20050114554
 20050425

AP - US201313775706 20130225

DT - **

CT - || R141 (A1)
US7261713 B2 20070828 [
] (LANGMAID MICHAEL N [US], et
 al);
US5624440 A 19970429 [
] (HUEBNER RANDALL J [US]);
US2391537 A 19451225 [
] (ROGER ANDERSON)
 - || STSE (B2)



[US2391537](#) A 19451225 [] (ROGER ANDERSON);
[US5624440](#) A 19970429 [] (HUEBNER RANDALL J [US]);
[US7261713](#) B2 20070828 [] (LANGMAID MICHAEL N [US], et al)

CCI - [A61B17/6466](#) ; [F16B39/24](#) ;
[F16B39/282](#) ; [A61B90/50](#)

CUI - [A61B17/60](#)

CCA - [A61B17/64](#) ; [A61B2090/034](#)

PA - (A1)
 SYNTHES USA LLC [US]; SYNTHES USA LLC [US]
 - (B2)
 SYNTHES USA LLC [US]; DEPUY SYNTHES PRODUCTS INC [US]

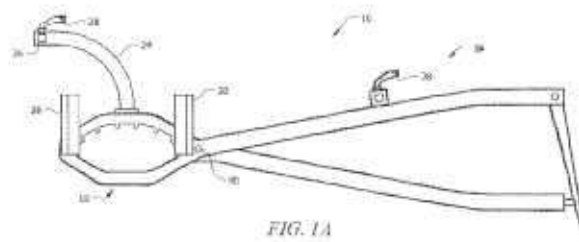
TI - (A1)
 OUTRIGGER WITH LOCKING MECHANISM
 - (B2)
 Outrigger with locking mechanism

AB - (A1 B2)
 A method is for connecting an outrigger to a **clamp** in an external **fixation** system. A moveable member and a slide lock are coupled to an elongated member of the outrigger. The elongated member has a length, a distal end, a proximal end and a threaded portion on the distal end. The threaded portion has a keyed portion. The moveable member is moveable along the elongated member. The slide lock has a keyed portion and an engagement surface. The distal end of the elongated member is coupled to an opening of the **clamp** such that the engagement surface of the slide lock engages a portion of the **clamp**. The keyed portion of the threaded portion and the

keyed portion of the slide lock are operably associated with each other to permit longitudinal movement of the slide lock along the length of the elongated member while preventing rotation. The engagement surface of the slide lock has a non-smooth texture and faces in a direction that is away from the moveable member.

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- PN - [US2012130384](#) A1 20120524
- PNFP - US8920426 B2 20141230
- PR - US201213359862
20120127; WO2010US44247
20100803; US20090231112P
20090804
- AP - US201213359862 20120127
- DT - **
- CT - || R141 (A1)
[US8231623](#) B1 20120731 [
] (JORDAN CHRISTOPHER [US]);
[US5800099](#) A 19980901 [
] (COOPER MICHAEL S [US]);
[US2181746](#) A 19391128 [
] (SIEBRANDT JOHN R);
[US6605088](#) B1 20030812 [] (ST
ONGE RICHARD A [US], et al);
[US2631585](#) A 19530317 [
] (ELIZABETH SIEBRANDT);
[US6730086](#) B2 20040504 [
] (HEHLI MARCUS [CH], et al);
[US5645548](#) A 19970708 [
] (AUGSBURGER SAMUEL F [US])
- || STSE (B2)
[US2181746](#) A 19391128 [
] (SIEBRANDT JOHN R);
[US2631585](#) A 19530317 [
] (ELIZABETH SIEBRANDT);
[US5645548](#) A 19970708 [
] (AUGSBURGER SAMUEL F [US]);
[US5800099](#) A 19980901 [
] (COOPER MICHAEL S [US]);
[US6605088](#) B1 20030812 [] (ST
ONGE RICHARD A [US], et al);

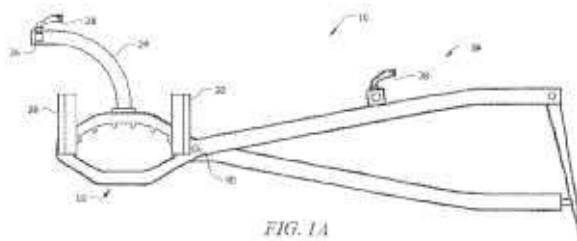


[US6730086](#) B2 20040504 [
] (HEHLI MARCUS [CH], et al);
[US8231623](#) B1 20120731 [
] (JORDAN CHRISTOPHER [US])

CCI - [A61B17/151](#) ; [A61B17/8866](#)
 CUI - [A61B17/1662](#) ; [A61F2/4644](#)
 CCA - [A61B17/64](#)
 CUA - [A61F2002/4645](#)
 PA - (A1 B2)
 HENDERSON ERIC R [US]; UNIV
 SOUTH FLORIDA [US]
 TI - (A1)
 Apparatus for Osteotomy and
 Graft Preparation
 - (B2)
 Apparatus for osteotomy and
 graft preparation
 AB - (A1 B2)
 Surgical tools that increase
 surgical accuracy for orthopedic
 procedures involving long bone
 osteotomy with or without
 supplementation with allograft
 or autograft. Two **clamps** on the
 operative side are rigidly
 interconnected to one another
 with an adjustable rod that is
 locked into place, preserving
 length and rotation of the bone.
 A graft preparation device is
 used on the operative table. It
 enables alignment of the graft to
 preserve the desired mechanical
 and anatomic axes and to
 provide rigid **fixation** of the graft
 for cutting. Adjustable jigs
 ensure exact cuts.

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PN - [WO2011017321](#) A2 20110210
 PNFP - WO2011017321 A3 20110512
 PR - US20090231112P 20090804
 AP - WO2010US44247 20100803
 DT - *; Rep
 CT - |KR| ISR (A3)
[US2008177297](#) A1 20080724



	[A] (STEINER ANTON J [US], et al); US6565570 B2 20030520
	[A] (STERETT WILLIAM [US], et al); US6025538 A 20000215
	[A] (YACCARINO III JOSEPH A [US], et al); US6800093 B2 20041005
	[A] (NICHOLSON JAMES E [US], et al)
CCI	- A61B17/151 ; A61B17/8866
CUI	- A61B17/1662 ; A61F2/4644
CCA	- A61B17/64
CUA	- A61F2002/4645
PA	- (A2 A3) UNIV SOUTH FLORIDA [US]; HENDERSON ERIC R [US]
TI	- (A2 A3) APPARATUS FOR OSTEOTOMY AND GRAFT PREPARATION
AB	- (A2 A3) Surgical tools that increase surgical accuracy for orthopedic procedures involving long bone osteotomy with or without supplementation with allograft or autograft. Two clamps on the operative side are rigidly interconnected to one another with an adjustable rod that is locked into place, preserving length and rotation of the bone. A graft preparation device is used on the operative table. It enables alignment of the graft to preserve the desired mechanical and anatomic axes and to provide rigid fixation of the graft for cutting. Adjustable jigs ensure exact cuts.

PN - [US2010262143](#) A1 20101014

PNFP - US8403928 B2 20130326

PR - US20100782938
20100519; US20050114554
20050425

AP - US20100782938 20100519

DT - **

CT - || R141 (A1)
[US5047029](#) A 19910910 [] (AEBI
MAX [CH], et al);
[US5330474](#) A 19940719 [] (LIN
CHIH-I [US]);
[US6022348](#) A 20000208 []
(SPITZER DANIEL [DE]);
[US6565564](#) B2 20030520 []
(HOFFMAN MINDY LYNN [US], et
al)

- || STSE (B2)
[US5047029](#) A 19910910 [] (AEBI
MAX [CH], et al);
[US5330474](#) A 19940719 [] (LIN
CHIH-I [US]);
[US6022348](#) A 20000208 []
(SPITZER DANIEL [DE]);
[US6565564](#) B2 20030520 []
(HOFFMAN MINDY LYNN [US], et
al)

CCI - [A61B17/6466](#) ; [F16B39/24](#) ;
[F16B39/282](#) ; [A61B90/50](#)

CUI - [A61B17/60](#)

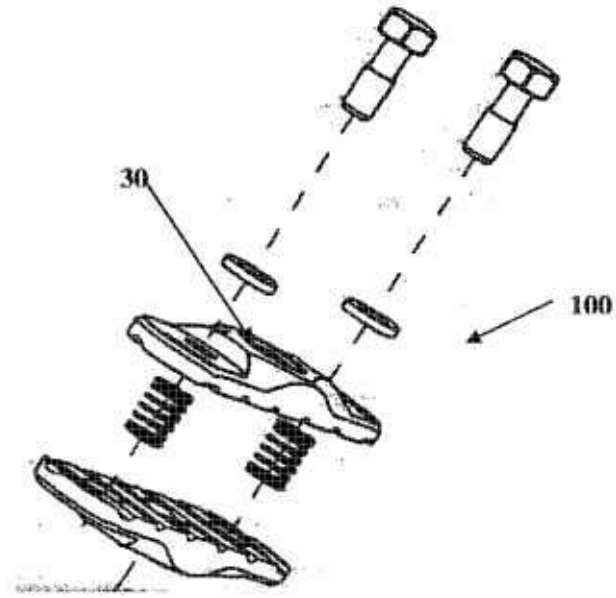
CCA - [A61B17/64](#) ; [A61B2090/034](#)

PA - (B2)
BORDEAUX JEAN-NOEL [US];
SYNTHES USA LLC [US]

TI - (A1)
Outrigger with Locking
Mechanism

- (B2)
Outrigger with locking
mechanism

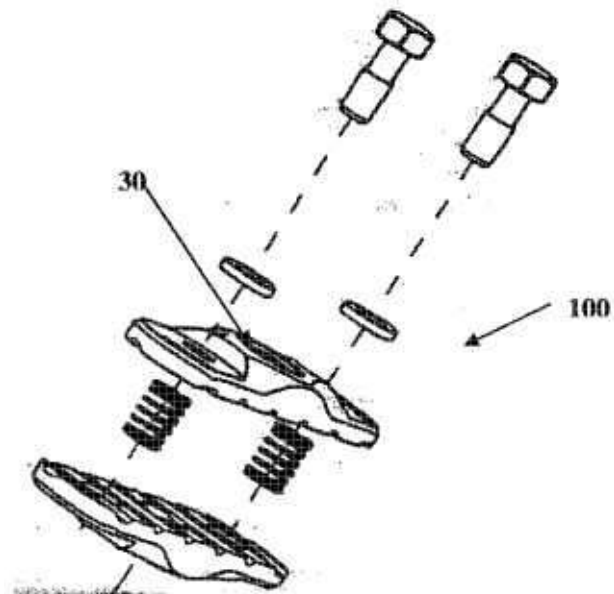
AB - (A1 B2)
An outrigger for connecting to an
external bone **fixation clamp**
comprises an elongated member
having a length, a proximal end
and a distal end, the distal end



having a threaded portion. The outrigger also comprises a connecting member operably associated with the elongated member, the connecting member having a tightening portion at a proximal end and a gripping portion at a distal end, the gripping portion having a greater diameter than the tightening portion. The outrigger also comprises a slide lock disposed about the threaded portion, the slide lock being longitudinally movable along the length of the threaded portion and having a non-smooth engagement surface configured to engage a non-smooth surface of the external bone **fixation clamp** in order to prevent rotation of the elongated member relative to the external bone **fixation clamp**.

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- PN - [NZ562747](#) A 20091224
- PR - US20050114554
20050425; WO2006US15464
20060424
- AP - NZ20060562747 20060424
- DT - I
- CCI - [A61B17/6466](#) ; [F16B39/24](#) ;
[F16B39/282](#) ; [A61B90/50](#)
- CUI - [A61B17/60](#)
- CCA - [A61B17/64](#) ; [A61B2090/034](#)
- PA - SYNTHES GMBH
- TI - Outrigger with locking mechanism
- AB - An outrigger (1) for connecting to a **clamp** in an external **fixation** system is disclosed. The outrigger comprises of an elongated member (2) having a length, a distal end (3), a proximal end (4) and a connecting portion (6) on the distal end, wherein the



connecting portion has a keyed portion (12); a moveable member (8) mounted on and moveable along the elongated member; and a slide lock (10) disposed about the elongated member. The slide lock has a keyed portion and an engagement surface, wherein the keyed portion of the connecting portion and the keyed portion of the slide lock cooperate with each other to permit longitudinal movement of the slide lock along the length of the elongated member while preventing rotation, and wherein the engagement surface of the slide lock is configured to engage a portion of the **clamp**.

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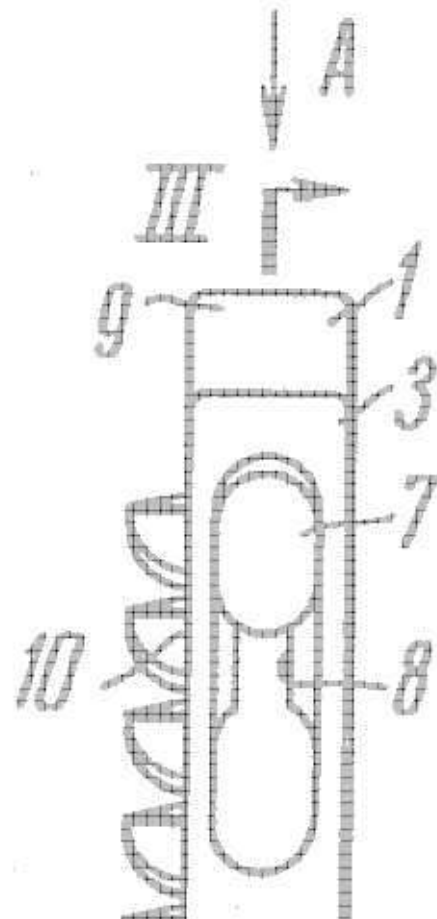
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PR - SU19731954521 19730726

AP - US19740491515 19740724

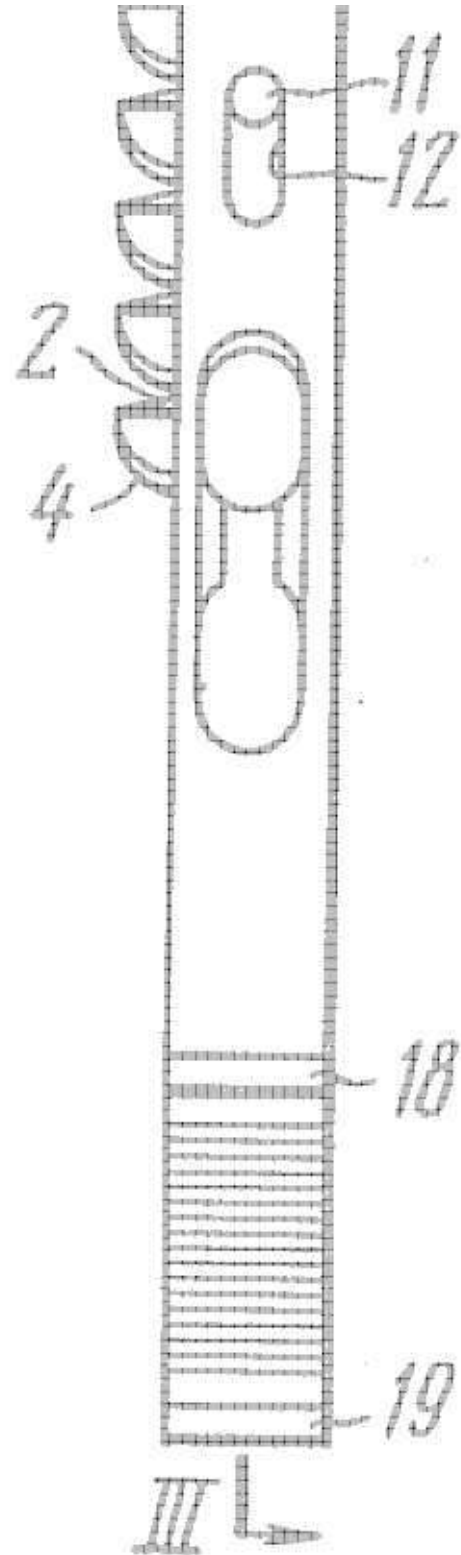
DT - **

CT - || STSE (A)
[FR418970](#) A 19101223 [] (ANATOLE PIERRE URBAIN LOUIS CO [FR]);
[GB461207](#) A 19370212 [] (ROBERT SCHRANZ);
[US268632](#) A 18821205 [];
[US535798](#) A 18950312 [];
[US1601035](#) A 19260928 [] (NAUTH WALTER W);
[US2516359](#) A 19500725 [] (LOUISE ZOLLER EVA);
[US3083711](#) A 19630402 [] (RAMSAY BEATTY H);
[US3601137](#) A 19710824 []



[US3601127](#) A 19710824 [] (AARON N FINEGOLD)

- CCI - [A61B17/00](#) ; [A61B17/02](#)
- CCA - [Y10T24/44009](#)
- PA - AKOPOV ERNEST MIKHAILOVICH
- TI - Device for gripping soft tissues during surgical intervention
- AB - A device for gripping soft tissues during surgical intervention, which comprises two plates adjoining each other by way of the lateral surfaces thereof and adapted to move one along the other. The face of the longitudinal edge of one plate is provided with straight **fixing** needles arranged in perpendicular relationship with said face, whereas the face of the longitudinal edge of the other plate which is proximate to the face with the straight **fixing** needles is provided with **fixing** needles curved in one and the same direction opposite to the direction of withdrawal of the device from the operation wound. A **clamp** for **clamping** and immobilizing tissues and organs is composed of two halves each comprising a jaw bearing the proposed device for gripping soft tissues.



PN - [GB1457365](#) A 19761201

PR - SU19731954521 19730726

AP - GB19740032039 19740719

DT - **

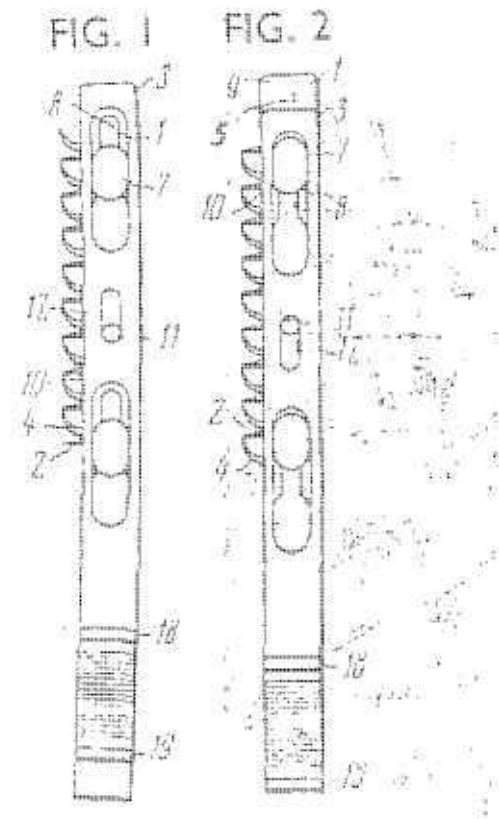
CCI - [A61B17/00](#) ; [A61B17/02](#)

CCA - [Y10T24/44009](#)

PA - VNII ISPYTATEL MED TECH

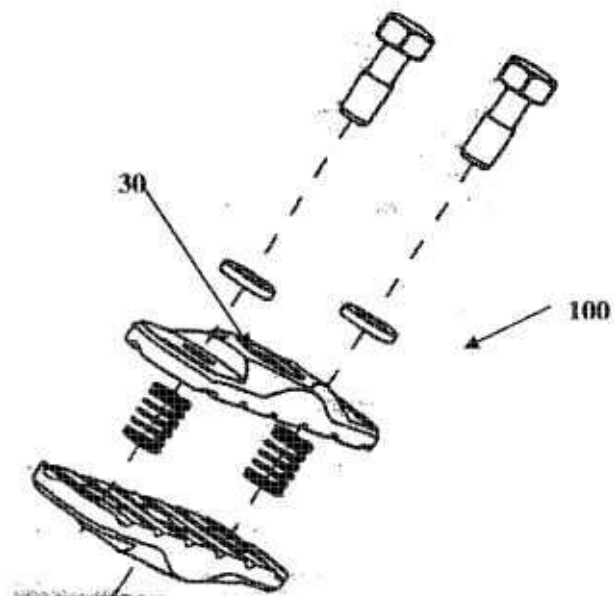
TI - DEVICE FOR GRIPPING SOFT TISSUES DURING SURGICAL INTERVENTION PHOTOGRAPHIC APPARATUS

AB - 1457365 **Clamps** VSES N I I ISPYTATELNY INST MEDITSIN TEKHNIKI 19 July 1974 [26 July 1973] 32039/74 Heading A5R A device for gripping soft tissues during surgical intervention comprises two plates 1,3 adjoining each other by their most extensive surfaces 5 which displace one along the other, straight **fixing** needles 2 secured on the face of one longitudinal edge of plate 1 at equal intervals and arranged in approximately perpendicular relationship with the face and **fixing** needles 4 secured on the face of the corresponding longitudinal edge 10 of plate 3, which are curved in a plane which includes the direction of relative displacement of the plates, which curved **fixing** needles are spaced at the same equal intervals as the straight **fixing** needles, and as one plate displaces along the other the **fixing** needles transfix the surface layers and grip the soft tissues to be **clamped**. The relative movement of the two plates is limited by a pin. 11 on plate 1 moving in a closed aperture 12 in plate 3 so that the needles move from an initial position as shown in Figure\ ,1 for insertion and removal of the



device from: the tissue to a working position as shown in Figure 3 with the needles displaced by one interval. The movement is guided by pins, with heads 7, secured to plate 1 sliding in slots 8 in plate 3. The device may be used as a simple hand held clamp or two of the devices as described may be positioned on the jaws of forceps so that wounds can be held open, the jaws of the forceps being bent so as to be parallel to the axis of the hinge.

10/10	© EPODOC / EPO
PN	- CA2606146 A1 20061102
PNFP	- CA2606146 C 20151103
PR	- US20050114554 20050425; WO2006US15464 20060424
AP	- CA20062606146 20060424
DT	- I
CCI	- A61B17/6466 ; F16B39/24 ; F16B39/282 ; A61B90/50
CUI	- A61B17/60
CCA	- A61B17/64 ; A61B2090/034
PA	- (A1 C) SYNTHES USA [US]
TI	- (A1 C) OUTRIGGER WITH LOCKING MECHANISM
AB	- (C) An outrigger for connecting to a clamp in an external fixation system comprises an elongated member, a distal end, a proximal end and a threaded portion on the distal end which includes a keyed portion. A moveable member is operably associated with the elongated member and is moveable along the elongated member. A slide lock is disposed about the elongated member and



has a keyed portion and an engagement surface. The keyed portions are operably associated with each other to permit longitudinal movement of the slide lock along the length of the elongated member while preventing rotation, the engagement surface of the slide lock engages a portion of the **clamp**, and the engagement surface of the slide lock has a non-smooth texture and faces in a direction that is away from the movable member.