

Search query (2): [SP]: External orthopedic device for limb bone treatment, comprising: a longitudinal guide mechanism 12 designed to be positioned externally, aligned with the bone (2) to be treated, - a first clamp (3) holding at least one bone screw (4) to be implanted in a relative bone stump (2a-2d), - a second clamp (3) holding at least one bone screw (4) to be implanted in a relative bone stump (2a-2d), the clamps (3) being slidably mobile along the guide mechanism (12), - means (40) for the movement of the clamps (3) along the guide mechanism (12) to determine a corresponding movement of the bone stumps (2a-2d), characterised in that the means (40) of movement comprise a threaded rod (17) rotatably supported by the guide mechanism (12) and a respective threaded portion (21 a) in at least one of the clamps (3), the threaded portion (21 a) being designed to engage by screwing with the rod (17) to define a screw-nut coupling and in that the threaded portion (21 a) is mobile at least between a first configuration of engagement with the threaded rod (17) and a second configuration of disengagement from the rod (17), at which point the rod (17) does not engage by screwing with the portion (21 a).

Results: 4

Search history

Search 1: [SP]: A metal end for seaming onto a metal container body, the end comprising: an outer curl; a centre panel within the outer curl; a tab having a longitudinal axis A; a rivet securing the tab to the centre panel; a score in the centre panel having two spaced apart ends which define a hinge therebetween, the hinge lying on one side of said longitudinal axis (A), such that operation of the tab fractures the score and causes the region of the centre panel within the score to pivot about the hinge and provide an aperture in the centre panel, wherein the score extends into a region of the centre panel that is behind a centre line (B) running through the centre of the rivet and perpendicular to said longitudinal axis (A), and on the other side of the longitudinal axis (A) from the hinge. (Results 11)

Search 2: [SP]: External orthopedic device for limb bone treatment, comprising: a longitudinal guide mechanism 12 designed to be positioned externally, aligned with the bone (2) to be treated, - a first clamp (3) holding at least one bone screw (4) to be implanted in a relative bone stump (2a-2d), - a second clamp (3) holding at least one bone screw (4) to be implanted in a relative bone stump (2a-2d), the clamps (3) being slidably mobile along the guide mechanism (12), - means (40) for the movement of the clamps (3) along the guide mechanism (12) to determine a corresponding movement of the bone stumps (2a-2d), characterised in that the means (40) of movement comprise a threaded rod (17) rotatably supported by the guide mechanism (12) and a respective threaded portion (21 a) in at least one of the clamps (3), the threaded portion (21 a) being designed to engage by screwing with the rod (17) to define a screw-nut coupling and in that the threaded portion (21 a) is mobile at least between a first configuration of engagement with the threaded rod (17) and a second configuration of disengagement from the rod (17), at which point the rod (17) does not engage by screwing with the portion (21 a). (Results 4)

1) Family number: 64366534 (US2017281235A)

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Title: ADJUSTABLE EXTERNAL FIXATOR

Priority: TW20160110616 20160401

Family:	Publication number	Publication date	Application number	Application date
	CN107260273 A	20171020	CN201610948068	20161026
	TW201735870 A	20171016	TW20160110616	20160401
	TWI561206 B	20161211	TW20160110616	20160401
	US2017281235 AA	20171005	US20160336464	20161027
	US10159511 BB	20181225	US20160336464	20161027

Probable Assignee: E DA HEALTHCARE GROUP

Assignee(s):(std): E DA HEALTHCARE GROUP ; E DA HOSPITAL ; E DA MEDICAL FOUND

Assignee(s): E DA MEDICAL FOUNDATION

Inventor(s):(std): LIN TING SHENG ; JIANG JIUN RU ; MA CHING HOU

Agent(s): WPAT PC

International class (IPC 8-9): A61B17/62 A61B17/64 A61B17/66 A61B17/76 A61B17/88 (Advanced/Invention);

A61B17/60 A61B17/90 (Advanced/Non-invention)

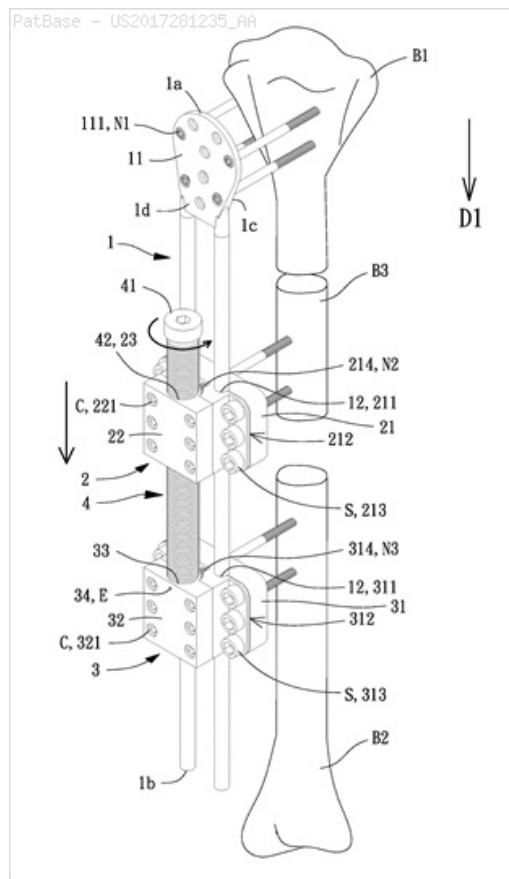
CPC: A61B17/645 A61B17/8872 A61B17/8858 A61B17/62 A61B17/6475 A61B2017/90 A61B2017/603 A61B17/66

[Classification Explorer](#)

Cited documents: WO17134486 A1, US8894649 BB, US8182483 BB, US7252668 BB, US6171307 BA, US6024745 A, US5364396 A, US4730608 A, US4573459 A, US4548199 A, US2012239035 AA, US2012150180 AA, US2011172664 AA, US2011125162 AA, US2007162045 AA, US2007123858 AA, US2006058798 AA, US2003144669 AA, TWM481701 Y, TWM474481 Y, CN204971528 U, CN203763212 U, CN203647450 U, CN202179585 U, CN1925802 A, CN102209499 A,

Abstract:

The present disclosure provides an adjustable external fixator which can be utilized in bone transport or bone lengthening. The adjustable external fixator includes a body, a positioning member, a bone coupling member, and a threaded rod. The body includes a slideway. At least one of the positioning member and the bone coupling member is slidably coupled to the slideway of the body.



2) Family number: 44564598 (US2010222778A)

Title:	ORTHOPAEDIC DEVICE TO BE ASSOCIATED WITH THE OUTSIDE OF A BONE			
Priority:	IT2008BO00548 20080911	EP20090812749 20090908	WO2009IB06785 20090908	
	US20090676648 20090908	US20090283790 20090908	WO2009IB06785 20090909	

Family:	Publication number	Publication date	Application number	Application date
	BRPI0904847 A2	20150630	BR2009PI04847	20090908
	CA2736808 AA	20110310	CA20092736808	20090908
	CA2736808 C	20161213	CA20092736808	20090908
	CN102209499 A	20111005	CN200980144980	20090908
	CN102209499 B	20131023	CN200980144980	20090908
	CO6382098 A2	20120215	CO20110044539	20110411
	DE602009007249 D1	20120802	DE200960007249T	20090908
	DK2185088 T3	20120903	DK20090812749T	20090908
	EP2185088 A1	20100519	EP20090812749	20090908
	EP2185088 B1	20120523	EP20090812749	20090908
	ES2389413 T3	20121026	ES20090812749T	20090908
	IN00995KN2011 A	20111125	IN2011KN00995	20110308
	IN305356 B	20190111	IN2011KN00995	20110308
	IT1391222 B1	20111201	IT2008B000548	20080911
	ITBO20080548 A1	20100312	IT2008B000548	20080911
	JP2012501776 T2	20120126	JP20110526584T	20090908
	JP5519676 B2	20140611	JP20110526584T	20090908
	MX2011002560 A1	20110728	MX20110002560	20090908
	US2010222778 AA	20100902	US20090676648	20090908
	US8182483 BB	20120522	US20090676648	20090908
USRE45888 E	20160216	US20090283790	20090908	
WO10029406 A1	20100318	WO2009IB06785	20090908	

Probable Assignee:	ORTHOFIX SRL
Assignee(s):(std):	BAGNASCO MARA ; MARINI GRAZIANO ; ORTHOFIX SRL ; VENTURINI DANIELE
Assignee(s):	ORTHOFIX SRL BUSSOLENGO ; ORTHOFIX S R L
Inventor(s):(std):	MARA BAGNASCO ; DANIELE VENTURINI ; GRAZIANO MARINI ; VENTURINI DANIELE ; MARINI GRAZIANO ; BAGNASCO MARA
Agent(s):	NORTON ROSE OR SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MONICA WOLF WASSERMAN; PAGLIA PIETRO; BOTTI MARIO; ARIZTI MONICA; MORI HIROYUKI; HUSCH BLACKWELL SANDERS LLP HUSCH BLACKWELL SANDERS LLP WELSH AND KATZ; HUSCH BLACKWELL LLP; BAKER AND MCKENZIE 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 CL CM CN CO CR CU 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

International class (IPC 8-9): A61B17/00 A61B17/60 A61B17/64 A61B17/66 (Advanced/Invention); A61B17/00 A61B17/60 (Core/Invention)

CPC: A61B17/6483 A61B17/66 A61B2017/00398

European class: A61B17/64M4 A61B17/66 K61B17/00F4

US class: 1/1 606/58 606/58P 606/59

JP class F-Term: 4C160 4C160/LL18 4C160/LL27 4C160/LL29 4C160/LL31

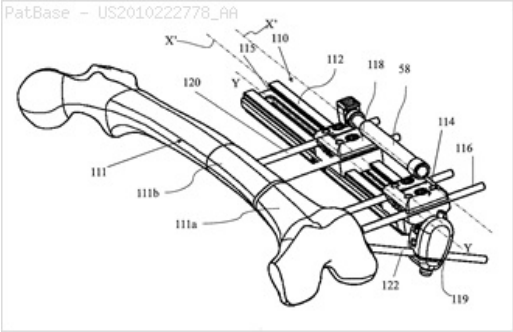
JP class F-Index: A61B17/60 A61B17/64

[Classification Explorer](#)

Cited documents: US7588571 BB, US7041103 BB, US6678562 BA, US6565564 BB, US6235029 BA, US6221072 BA, US5951556 A, US5788695 A, US5743898 A, US5429637 A, US5207676 A, US5019077 A, US4988349 A, US4848327 A, US4621627 A, US4502473 A, US4312336 A, US4135505 A, JP9509586 T2, JP9509586, JP55081650 A2, JP55081650, JP2274245 A2, JP2274245, JP1501845 T2, JP1501845, JP10225466 A2, JP10225466, FR2705881 A1, CN1142753 A,

Forward Citations: WO17134486, US9962188, US9839445, US9820775, US9750536, US9730730, US9717527, US9592080, US9549762, US9517086, US9351763, US9220533, US9155562, US9101398, US8951253, US8945128, US8906020, US8858555, US8834467, US8721566, US8382758, US2017281235, US2017209177, US2016192964, US2014324045, US2013158551, US2012123301, US2011172664, US10314618, US10285734, US10159511, US10149701, US10117677, US10080585, US10010350, CN107260273, CN106308902, CN106137356, CN106037903, CN104970871, CN102641149, CN102641149,

Abstract:
The present invention regards an orthopaedic device (10; 110) to be associated with the outside of a bone and of the type comprising a support rail (12; 112), extended along a central longitudinal axis (Y-Y) substantially parallel to the bone (11; 111), at least two clamps (14, 18; 114, 118) mounted slidably along said axis (Y-Y) on the support rail (12; 112) and supporting endosseous screws (16, 20; 116, 120) insertable into the bone, and a distractor/compressor device (58) removably attachable to the two clamps (14, 18; 114, 118) by means of respective connection pins (68) inserted into corresponding holes (64; 164) of each clamp, wherein each clamp comprises a clamp body having a base or lower jaw (24; 124) and a lid, or upper jaw (23; 123) as well as two screws (25, 26; 125, 126) for fixing the upper jaw (23; 123) to the lower jaw (24; 124). Advantageously the holes (64; 164) for the connection pins (68) are aligned along a line (X; X') that is extended substantially parallel to said axis (Y-Y) with at least one hole for the connection pins of the remaining clamp also being aligned along said line (X; X'), thus making the overall structure of the clamps mounted on the orthopaedic device (10; 110) particularly compact.



3) Family number: 66582614 (WO17134486A1) © PatBase

Title: EXTERNAL ORTHOPEDIC DEVICE

Priority: WO2016IB50541 20160203

Family:

Publication number	Publication date	Application number	Application date
CO20180008375 A2	20180821	CO20180008375	20180809
EP3410964 A1	20181212	EP20160704052	20160203
MX2018009263 A1	20181109	MX20180009263	20160203
WO17134486 A1	20170810	WO2016IB50541	20160203

Probable Assignee: CITIEFFE SRL

Assignee(s):(std): CITIEFFE S R L ; CITIEFFE SRL

Inventor(s):(std): SCOCCIANI ALBERTO ; SATIZABAL CARLOS ; DOVESI ALAN ; ALAN DOVESI ; ALBERTO SCOCCIANI ; CARLOS SATIZABAL

Agent(s): ANDRES JERONIMO CASTILLO BONILLA; FIRMATI LEONARDO

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

International class (IPC 8-9): A61B17/64 A61B17/66 (Advanced/Invention)

CPC: A61B17/6466 A61B17/66

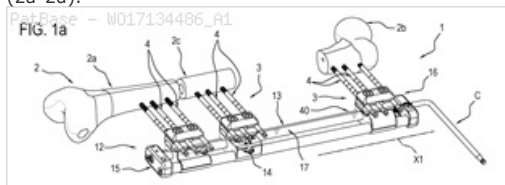
[Classification Explorer](#)

Cited documents: US5601551 A, US2010222778 AA,

Forward Citations: US2017281235, US10159511,

Abstract:

An external orthopedic device for the treatment of limb bones, comprising a longitudinal guide mechanism (12) positioned externally, aligned with the bone (2) to be treated, a first clamp (3) holding a plurality of bone screws (4) to be implanted in a relative bone stump (2a-2d), a second clamp (3) holding a plurality of bone screws (4) to be implanted in a second relative bone stump (2a-2d), the clamps (3) being slidably mobile along the guide mechanism (12), and means (40) for the movement of the clamps (3) along the guide mechanism (12) to determine a corresponding movement of the stumps (2a-2d).



4) Family number: 8709786 (US5601551A)

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Title: Geared external fixator

Priority: US19950396925 19950301 WO1996US02101 19960216

Family:	Publication number	Publication date	Application number	Application date
	AU199649259 A1	19960918	AU19960049259	19960216
	EP0813392 A1	19971229	EP19960905525	19960216
	EP0813392 A4	19981223	EP19960905525	19960216
	JP2000516105 T2	20001205	JP19960526284T	19960216
	US5601551 A	19970211	US19950396925	19950301
	WO9626679 A1	19960906	WO1996US02101	19960216

Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s):(std): CHARLES TAYLOR J ; HAROLD S TAYLOR ; SMITH AND NEPHEW INC TAYLOR HARO ; TAYLOR HAROLD S ; TAYLOR J CHARLES ; SMITH AND NEPHEW RICHARDS INC

Assignee(s): SMITH AND NEPHEW PLC ; SMITH AND NEPHEW INC TAYLOR HAROLD S ; TAYLOR J ; J CHARLES TAYLOR ; SMITH AND NEPHEW INC

Inventor(s):(std): TAYLOR HAROLD S ; TAYLOR J CHARLES

Inventor(s): J CHARLES TAYLOR ; HAROLD S TAYLOR ; TAYLOR J

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN

International class (IPC 8-9): A61B17/60 A61B17/64 A61B17/66 (Advanced/Invention); A61B17/60 A61B17/64 (Advanced/Non-invention); A61B17/60 (Core/Invention)

International class (IPC 1-7): A61B17/56 A61B17/60 A61B17/64 A61B17/66

CPC: A61B17/6475 A61B17/6483 A61B17/66

European class: A61B17/66 K61B17/64M2 K61B17/64M4

US class: 606/53 606/54 606/57 606/58

JP class F-Term: 4C060 4C060/LL18 4C160 4C160/LL18 4C160/LL21 4C160/LL27 4C160/LL42

JP class F-Index: A61B17/60

[Classification Explorer](#)

Cited documents: USRE34985 E, US5242445 A, US5219349 A, US5209750 A, US5062844 A, US4889111 A, US4765651 A, US4662365 A, US4620533 A, US4615338 A, US4541422 A, US4483334 A, US4361144 A, US4100919 A, US4033340 A, US3941123 A, US3581592 A, US2391537 A, US2371519 A, US2333033 A, US2250417 A, US209015 A, SU15196731, GB2077847 A1, EP0385929 A1, DE9401911 U1, DE9401911 U,

Forward Citations: WO17134486, WO15183226, WO15183225, WO08134624, WO08066407, WO05027762, WO0053109, US9987052, US9936975, US9872706, US9820776, US9788861, US9687306, US9675382, US9642649, US9622781, US9314284, US9295505, US9168075, US9155561, US9078706, US9066757, US8968406, US8876873, US8852245, US8845698, US8821553, US8808290, US8795370, US8758346, US8734493, US8728130, US8702705, US8574268, US8506566, US8444643, US8419732, US8388619, US8372152, US8343196, US8282682, US8282652, US8241331, US8202273, US8062367, US7963982, US7803158, US7731738, US7655028, US7641701, US7588571, US7575575, US7507240, US7282052, US7182782, US6921404, US6678562, US6500177, US6428540, US6423061, US6413258, US6390970, US6328738, US6245071, US6217577, US6171309, US6171307, US6162224, US2016022314, US2014276822, US2012316561, US2012226277, US2011238123, US2011224671, US2011103676, US2010262247, US2010145453, US2010076496, US2009306661, US2009125062, US2009093820, US2009036892, US2009036890, US2009024170, US2008269741, US2008228185, US2008140130, US2008051779, US2007282338, US2007225704, US2007179504, US2007173837, US2007162028, US2007010814, US2006235400, US2006229605, US2006229604, US2006229603, US2006229602, US2006195100, US2005216032, US2005071008, US2005071006, US2004215196, US2004181221, US2004102787, US2004097922, US2004059331, US10299832, US10299831, US10231768, US10010350, JP2010521240, JP2008528134, EP3422972, EP1042991, EP1021992, EP1021992, EP0880942, EP0880942, AU2008225057,

Abstract:

An external fixator for securing two or more bone elements. The external fixator includes an elongated bar; a first carriage for mounting on the bar and for securement to a first bone element; a second carriage for mounting on the bar and for securement to a second bone element; and a drive mechanism for driving the first and second carriages along the length of the bar independent of one another.

