

Title (en)

INTRAMEDULLAR DISTRACTION DEVICE WITH USER ACTUATED DISTRACTION

Title (de)

INTRAMEDULLÄRE DISTRAKTIONSVORRICHTUNG MIT VOM ANWENDER BETÄTIGTER DISTRAKTION

Title (fr)

DISPOSITIF DE DISTRACTION INTRAMÉDULAIRE AVEC LA DISTRACTION ACTIONNÉE PAR UN UTILISATEUR

Publication

EP 2040615 A4 20120502 (EN)

Application

EP 07789938 A 20070712

Priority

- IL 2007000880 W 20070712
- IL 17681006 A 20060712

Abstract (en)

[origin: WO2008007378A2] Presented herein is an intramedullar distraction device for bone elongation and to mend angular or rotational bone deformities, that is completely mechanical in operation, wherein a novel rotating button system allows inverting the device ratchet movement, thereby enabling the reduction of the length of the device, if needed, in order to offer the surgeon operating flexibility before finally anchoring the device on the bone. Furthermore, a locking system allows for locking the ratchet once the desired elongation has been reached, thus avoiding potential mistaken elongations. In addition, a unique alignment hole provides a simple, precise tool to easily and correctly align the device within the bone. The present device operates without the assistance of external mechanisms, motors, or tools, and once inserted, the user can actuate the device without assistance. This device is available in a wide variety of diameters and lengths, and is useful in all long bones..

IPC 8 full level

A61B 17/56 (2006.01); **A61B 17/58** (2006.01)

CPC (source: EP)

A61B 17/7216 (2013.01)

Citation (search report)

- [A] SU 1648426 A1 19910515 - KRYMSKIY MED I [SU], et al
- [A] SU 1708317 A1 19920130 - KOOPERATIVNOE OB YALOS [SU]
- [A] US 2004193266 A1 20040930 - MEYER RUDOLF XAVER [US]
- See references of WO 2008007378A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008007378 A2 20080117; **WO 2008007378 A3 20090416**; BR PI0713232 A2 20120410; EP 2040615 A2 20090401; EP 2040615 A4 20120502

DOCDB simple family (application)

IL 2007000880 W 20070712; BR PI0713232 A 20070712; EP 07789938 A 20070712