

Title (en)

Hinge for connecting two elements of a patient support surface

Title (de)

Gelenkanordnung zur Verbindung zweier Segmente einer Patientenlagerfläche

Title (fr)

Charnière pour connecter deux éléments d'une surface de support d'un patient

Publication

**EP 1785125 A2 20070516 (DE)**

Application

**EP 06123592 A 20061107**

Priority

DE 102005054175 A 20051114

Abstract (en)

The arrangement has two hinge parts (36, 38), where each of the hinge parts is strongly connected with a segment of a patient bearing surface. The hinge parts are pivotable against each other by a shaft extension (46) around a common hinge axis (64). The hinge parts are supported at one of the surfaces that are axially turned to each other, and are axially stretchable to each other by a blocking mechanism, where the surfaces are provided at an attachment of blocking surfaces (60). The blocking surfaces lie in a plane including the hinge axis.

Abstract (de)

Es wird eine Gelenkanordnung zur gelenkigen Verbindung zweier Segmente einer Patientenlagerfläche mit zwei Gelenkteilen (36, 38) beschrieben, deren jedes mit einem der Segmente starr verbunden ist und die mittels eines Wellenzapfens (46) um eine gemeinsame Gelenkachse (64) gegeneinander verschwenkbar sind, wobei die Gelenkteile (36, 38) an jeweils mindestens einer ihrer axial einander zugewandten Flächen zur Anlage aneinander bestimmte Sperrflächen (60) tragen und mittels eines Spannmechanismus (46, 54, 50) axial gegeneinander spannbar sind und wobei die Sperrflächen (60) jeweils zumindest annähernd in einer die Gelenkachse (64) enthaltenen Ebene liegen.

IPC 8 full level

**A61G 13/12** (2006.01); **A61G 13/10** (2006.01); **A61G 13/08** (2006.01)

CPC (source: EP KR US)

**A61G 7/00** (2013.01 - KR); **A61G 7/05** (2013.01 - KR); **A61G 13/12** (2013.01 - EP US); **A61G 13/08** (2013.01 - EP US); **A61G 13/122** (2013.01 - EP US); **A61G 13/1245** (2013.01 - EP US); **A61G 13/1295** (2013.01 - EP US); **A61G 2200/38** (2013.01 - EP US); **Y10T 403/32262** (2015.01 - EP US); **Y10T 403/32368** (2015.01 - EP US); **Y10T 403/32401** (2015.01 - EP US); **Y10T 403/59** (2015.01 - EP US); **Y10T 403/595** (2015.01 - EP US)

Citation (applicant)

US 3328079 A 19670627 - ERNEST BYCZKOWSKI, et al

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1785125 A2 20070516**; **EP 1785125 A3 20080123**; **EP 1785125 B1 20090318**; AT E425729 T1 20090415; BR PI0604755 A 20070828; BR PI0604755 B1 20180320; BR PI0604755 B8 20210622; CA 2568071 A1 20070514; CN 1973800 A 20070606; CN 1973800 B 20100707; DE 102005054175 A1 20070516; DE 502006003164 D1 20090430; DK 1785125 T3 20090602; ES 2321754 T3 20090610; JP 2007144156 A 20070614; JP 4846529 B2 20111228; KR 101145482 B1 20120515; KR 20070051737 A 20070518; PL 1785125 T3 20090831; PT 1785125 E 20090526; RU 2006139980 A 20080520; RU 2338502 C2 20081120; US 2007116512 A1 20070524; US 7896569 B2 20110301

DOCDB simple family (application)

**EP 06123592 A 20061107**; AT 06123592 T 20061107; BR PI0604755 A 20061114; CA 2568071 A 20061110; CN 200610144683 A 20061114; DE 102005054175 A 20051114; DE 502006003164 T 20061107; DK 06123592 T 20061107; ES 06123592 T 20061107; JP 2006306557 A 20061113; KR 20060112253 A 20061114; PL 06123592 T 20061107; PT 06123592 T 20061107; RU 2006139980 A 20061113; US 59831506 A 20061113