

Title (en)

MOVEMENT SYSTEM FOR THE UPPER TALOCALCANEAN JOINT

Title (de)

BEWEGUNGSGERÄT FÜR DAS OBERE SPRUNGGELENK

Title (fr)

APPAREIL MOTEUR POUR L'ARTICULATION TALO-CALCANEENNE SUPERIEURE

Publication

EP 0691837 B1 19970514 (DE)

Application

EP 94911143 A 19940310

Priority

- CH 99393 A 19930331
- EP 9400740 W 19940310

Abstract (en)

[origin: WO9422411A1] The device is intended for the movement of the upper talocalcaneal joint. It comprises two pedal shafts (1a, 1b) fitted horizontally in a bearing (6a, 6b) and extending coaxially to left and right on which a left and right pedal (2a, 2b) are radially secured integrally in rotation and driven by a gear motor (3) in such a way that the rotary movement of the motor shaft (4) is converted into an alternating contrarotatory oscillating movement of the left and right pedals (2a, 2b) between to terminal positions within a restricted angular region. In addition there are means (5; 8; 9; 10) which limit the torque transmitted from the motor shaft (4) to the pedal shaft (1a; 1b) on the forced stoppage of a pedal (2a, 2b) resulting from the reaching of an end position in the range of movement of a talocalcaneal joint to a selectable maximum value, the force/travel diagram of the means (5; 8; 9; 10) preferably having a torque limitation characteristic which is substantially flat when the selected salient point is exceeded.

IPC 1-7

A61H 1/02

IPC 8 full level

A61H 1/02 (2006.01)

CPC (source: EP)

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Cited by

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