

Title (en)
DEVICE FOR ASSISTING JOINT EXERCISE

Title (de)
VORRICHTUNG ZUR UNTERSTÜTZUNG GEMEINSAMER ÜBUNGEN

Title (fr)
DISPOSITIF D'ASSISTANCE D'EXERCICE ARTICULAIRE

Publication
EP 2649976 A4 20141210 (EN)

Application
EP 12757662 A 20120314

Priority
• JP 2011057470 A 20110316
• JP 2012001792 W 20120314

Abstract (en)
[origin: EP2649976A1] Provided is a device having a novel configuration and adapted to assist joint exercise. A device for assisting joint exercise (10) that assists bending and extending of a joint including: a flexible assist force transmission section (12); a first mounting section (14) and a second mounting section (16), which are provided at both end portions of the assist force transmission section (12), the first mounting section (14) adapted to be mounted on one site and the second mounting section (16) adapted to be mounted on another site sandwiching a user's joint; a drive source (40) provided that exerts tensile force between the first mounting section (14) and the second mounting section (16) through the assist force transmission section (12), wherein at least a portion of the assist force transmission section (12) is elastically deformable in an acting direction of the tensile force by the drive source (40).

IPC 8 full level
A61H 3/00 (2006.01); **A61H 1/02** (2006.01); **A63B 21/005** (2006.01); **A63B 23/04** (2006.01); **A63B 23/08** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [XYI] US 2006135903 A1 20060622 - INGIMUNDARSON ARNI T [US], et al
• [Y] JP 4582523 B2 20101117
• See references of WO 2012124328A1

Cited by
EP3137035A4; US11014804B2; US10278883B2; US11498203B2; US11324655B2; US10864100B2; US10434030B2; US10427293B2; US10843332B2; US11464700B2

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