

Title (en)

VIBRATION UNIT FOR MUSCULOSKELETAL VIBRATION SYSTEM FOR JOINTED LIMBS

Title (de)

VIBRATIONSEINHEIT FÜR EIN MUSKELSKELETT-VIBRATIONSSYSTEM FÜR GLIEDMASSENGELENKE

Title (fr)

UNITÉ DE VIBRATION DESTINÉE À UN SYSTÈME DE VIBRATION MUSCULO-SQUELETTIQUE DE MEMBRES ARTICULÉS

Publication

EP 2675419 A4 20160511 (EN)

Application

EP 12747212 A 20120215

Priority

- US 201161443037 P 20110215
- US 2012025296 W 20120215

Abstract (en)

[origin: WO2012112711A2] A system includes a vibration unit that provides independent adjustability of vibration characteristics such as frequency and amplitude and may provide a first motor that rotates an eccentric and can adjust vibration frequency and a second motor that may move the eccentric within the vibration unit in a manner that adjusts amplitude of the vibration.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XAI] WO 2007066726 A1 20070614 - TAWAKI TATSUMI [JP]
- [A] US 2715901 A 19550823 - BLAKE OLIVER P
- [A] US 2845063 A 19580729 - ALLEN CHARLES S
- [A] WO 0145564 A1 20010628 - DANIELSSON BARBRO [SE], et al
- [A] US 2008132813 A1 20080605 - KATSUTA JIRO [DE]
- [A] WO 2006030298 A1 20060323 - FRANZOSO GIULIA [IT], et al
- [A] EP 2174693 A1 20100414 - TECHNOGYM SPA [IT]
- [A] WO 2006061834 A2 20060615 - TYLERTON INTERNAT INC, et al
- [A] JP 2001346846 A 20011218 - HITACHI MAXELL
- See references of WO 2012112711A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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