Title (en)
MASSAGE APPLIANCE

Title (de)
MASSAGEGERÄT

Title (fr)
APPAREIL POUR MASSAGE

Publication
EP 1720503 B1 20070620 (DE)

Application
EP 05715018 A 20050224

Priority
- DE 2005000312 W 20050224
- DE 102004011200 A 20040304
- DE 102004033932 A 20040714

Abstract (en)
[origin: DE202004021275U1] A rod-shaped massage appliance has a flexible rubber sheath separated by sliding blocks from an internal rotating core with a helical profile. The rotating helical profile impinges on that array of plastic blocks, which rise and fall with respect to the core axis to generate a body massage. In an alternative embodiment, the massage unit has three or more parallel arrays of rotating helical spindles interacting with spring-mounted plungers or half-cups lifted by centrifugal forces.

IPC 8 full level
A61H 19/00 (2006.01); **A61H 23/02** (2006.01); A61H 7/00 (2006.01)

CPC (source: EP US)
A61H 19/44 (2013.01 - EP US); **A61H 21/00** (2013.01 - EP US); **A61H 23/0254** (2013.01 - EP US); A61H 7/001 (2013.01 - EP US);
A61H 2015/0035 (2013.01 - EP US); A61H 2201/1215 (2013.01 - EP US); A61H 2201/1669 (2013.01 - EP US);
A61H 2201/5053 (2013.01 - EP US); A61H 2205/087 (2013.01 - EP US)

Cited by
EP2191804A1; US7988650B2; DE202008015778U1; US8419664B2; US7828717B2; US8500627B2; US8721523B2; US9114058B2;
US8308667B2; US8747337B2; US9844486B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005084605 A1 20050915; AT E365030 T1 20070715; AU 2005218703 A1 20050915; AU 2005218703 B2 20080522;
CA 2556642 A1 20050915; CA 2556642 C 20150421; DE 102004033932 A1 20050929; DE 202004021275 U1 20070606;
DE 502005000901 D1 20070802; EP 1720503 A1 20061115; EP 1720503 B1 20070620; ES 2286796 T3 20071201; JP 2007526047 A 20070913;
JP 4833194 B2 20111207; RU 2006134982 A 20080410; RU 2370255 C2 20091020; US 2007179336 A1 20070802; US 7559886 B2 20090714

DOCDB simple family (application)
DE 2005000312 W 20050224; AT 05715018 T 20050224; AU 2005218703 A 20050224; CA 2556642 A 20050224;
DE 102004033932 A 20040714; DE 202004021275 U 20040714; DE 502005000901 T 20050224; EP 05715018 A 20050224;
ES 05715018 T 20050224; JP 2007501104 A 20050224; RU 2006134982 A 20050224; US 58960905 A 20050224