

Title (en)  
VIBRATIONAL ERGOMETER

Title (de)  
VIBRATIONSERGOMETER

Title (fr)  
ERGONOMÈTRE À VIBRATIONS

Publication  
**EP 1845922 B1 20130605 (DE)**

Application  
**EP 05821746 A 20051224**

Priority  
• EP 2005057170 W 20051224  
• DE 102004063495 A 20041230

Abstract (en)  
[origin: DE102004063495B3] The vibration wheel ergometer has a wheel framework upper structure (17) along with a bottom bracket/crank lever (1) which is mechanically decoupled from the framework as well as a vibration unit consisting of vibration plate (2), vibration rack (18) and vibration engines (3). The damping elements (5,6) prevent the transmission of oscillations of vibration unit to the wheel framework upper structure.

IPC 8 full level  
**A61H 1/00** (2006.01); **A61H 1/02** (2006.01); **A61H 23/02** (2006.01); **A63B 22/06** (2006.01); **A63B 22/08** (2006.01)

CPC (source: EP KR US)  
**A61H 1/00** (2013.01 - KR); **A61H 1/005** (2013.01 - EP US); **A61H 23/02** (2013.01 - EP KR US); **A61H 23/0263** (2013.01 - EP US); **A63B 22/0605** (2013.01 - EP US); **A61H 2201/1261** (2013.01 - EP US); **A61H 2203/0431** (2013.01 - EP US)

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)  
**DE 102004063495 B3 20060427**; AU 2005321308 A1 20060706; BR PI0516412 A 20080902; BR PI0516412 B1 20170627; CA 2592863 A1 20060706; CA 2592863 C 20141014; CN 101123934 A 20080213; CN 101123934 B 20110608; EP 1845922 A1 20071024; EP 1845922 B1 20130605; ES 2423516 T3 20130920; HK 1116658 A1 20090102; JP 2008526285 A 20080724; JP 5393981 B2 20140122; KR 101306507 B1 20130909; KR 20070107688 A 20071107; NO 20073939 L 20070924; NO 335373 B1 20141201; RU 2007128952 A 20090210; US 2009048075 A1 20090219; US 8608625 B2 20131217; WO 2006069988 A1 20060706; ZA 200706367 B 20080925

DOCDB simple family (application)  
**DE 102004063495 A 20041230**; AU 2005321308 A 20051224; BR PI0516412 A 20051224; CA 2592863 A 20051224; CN 200580048374 A 20051224; EP 05821746 A 20051224; EP 2005057170 W 20051224; ES 05821746 T 20051224; HK 08104004 A 20080409; JP 2007548814 A 20051224; KR 20077017662 A 20051224; NO 20073939 A 20070727; RU 2007128952 A 20051224; US 81303305 A 20051224; ZA 200706367 A 20070730