

Title (en)  
PEDAL-TYPE VIBRATIONAL APPARATUS

Title (de)  
SCHWINGUNGSVORRICHTUNG VOM PEDALTYP

Title (fr)  
APPAREIL VIBRATOIRE À PÉDALE

Publication  
**EP 3498342 A1 20190619 (EN)**

Application  
**EP 18211786 A 20181211**

Priority  
CN 201711329028 A 20171213

Abstract (en)  
A pedal-type vibrational apparatus includes a seat body, a pedal assembly, a gear plate assembly, a drive assembly and an eccentric assembly, like a lever structure. By treading the pedal assembly, the gear plate assembly drives the drive assembly to rotate. The drive assembly is connected with the eccentric assembly. Thus users can fully strengthen the muscles of the body during exercise, and vibrations generated by the eccentric assembly can stimulate the acupuncture points of the body to improve the blood circulation. The left and right pedals can be treaded in turn to continuously drive an eccentric assembly to rotate in the same direction so as to accelerate and increase vibrations.

IPC 8 full level  
**A63B 22/00** (2006.01); **A63B 21/00** (2006.01); **A63B 21/02** (2006.01); **A63B 21/04** (2006.01)

CPC (source: EP)  
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Citation (applicant)  
CN 103705363 B 20150909

Citation (search report)  
• [A] KR 20080079365 A 20080901 - CNH CO LTD [KR]  
• [A] KR 20100137844 A 20101231 - HAN SANG HYUN [KR]  
• [A] DE 20218959 U1 20030306 - CHUANG JIN CHEN [TW]  
• [A] WO 2010002060 A1 20100107 - PARK SEONG-JIN [KR], et al  
• [A] US 2010048357 A1 20100225 - NAKAGAWA KATSUYA [JP], et al

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3498342 A1 20190619**; **EP 3498342 B1 20200715**; CN 109908545 A 20190621; CN 109908545 B 20201117; ES 2821005 T3 20210423; JP 3220658 U 20190328; TW M585637 U 20191101

DOCDB simple family (application)  
**EP 18211786 A 20181211**; CN 201811407268 A 20181123; ES 18211786 T 20181211; JP 2018004849 U 20181212; TW 107216607 U 20181206