

Title (en)
OMNIDIRECTIONAL TREADMILL

Title (de)
OMNIDIREKTIONALES LAUFBAND

Title (fr)
TAPIS ROULANT OMNIDIRECTIONNEL

Publication
EP 3538227 A1 20190918 (DE)

Application
EP 17832186 A 20171222

Priority
• AT 5862016 A 20161227
• AT 2017060344 W 20171222

Abstract (en)
[origin: US2019255382A1] Disclosed is an omnidirectional treadmill which has several connected belt units with supporting frames and endless belts which are moved revolving in the first spatial direction. In the second spatial direction, the endless belts of the belt units are moved. The endless belts are driven in the second spatial direction preferably by gear wheels mounted on rolls and by a toothed shaft. The movement of all endless belts is synchronized by coupling with special tooth form crown gears arranged between the belt units.

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

CPC (source: EP KR US)
A63B 21/15 (2013.01 - EP KR US); **A63B 22/0235** (2013.01 - EP KR US); **A63B 22/0257** (2013.01 - US); **A63B 22/0285** (2013.01 - KR); **A63B 69/0028** (2013.01 - US); **A63B 22/0285** (2013.01 - EP US); **A63B 2022/0271** (2013.01 - EP KR US); **A63B 2022/0278** (2013.01 - US); **A63B 2071/0638** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2018119485A1

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)
US 10946236 B2 20210316; **US 2019255382 A1 20190822**; CN 109963625 A 20190702; CN 109963625 B 20210209; EP 3538227 A1 20190918; EP 3538227 B1 20200701; JP 2020503911 A 20200206; JP 7042818 B2 20220328; KR 102542293 B1 20230612; KR 20190100166 A 20190828; WO 2018119485 A1 20180705

DOCDB simple family (application)
US 201716347696 A 20171222; AT 2017060344 W 20171222; CN 201780071327 A 20171222; EP 17832186 A 20171222; JP 2019524029 A 20171222; KR 20197012418 A 20171222