

Title (en)
EXERCISE MACHINE WITH PANCAKE MOTOR

Title (de)
TRAININGSMASCHINE MIT SCHEIBENLÄUFERMOTOR

Title (fr)
MACHINE D'EXERCICE À MOTEUR DISCOÏDAL

Publication
EP 3691758 A4 20210616 (EN)

Application
EP 18864878 A 20180924

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- US 201715722739 A 20171002
- US 201715722719 A 20171002
- US 2018052436 W 20180924

Abstract (en)
[origin: WO2019070436A2] An exercise machine is disclosed. The exercise machine comprises a pancake motor. The exercise machine comprises a torque controller coupled to the pancake motor. The exercise machine comprises a high resolution encoder coupled to the pancake motor.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [XAI] JP H10203467 A 19980804 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] WO 2016171799 A1 20161027 - RETHINK MOTION INC [US]
- [Y] KR 100847515 B1 20080721 - SUNG YEOL GYU [KR]
- [XP] WO 2018022465 A1 20180201 - RIPT LABS INC [US]
- See references of WO 2019070436A2

Cited by
US11452903B2; US11642564B2; EP4212216A1; IT202200000737A1

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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