

Title (en)  
SMART PULL DEVICE FOR FITNESS

Title (de)  
INTELLIGENTE WANDRIEMENSCHLEIBE FÜR FITNESS

Title (fr)  
DISPOSITIF DE TRACTION INTELLIGENT POUR UN ENTRAÎNEMENT PHYSIQUE

Publication  
**EP 4011462 B1 20231115 (EN)**

Application  
**EP 20911321 A 20201224**

Priority

- CN 202022352459 U 20201020
- CN 202022346440 U 20201020
- CN 202022346516 U 20201020
- CN 202011126134 A 20201020
- CN 202022349623 U 20201020
- CN 202022346402 U 20201020
- CN 2020139098 W 20201224

Abstract (en)  
[origin: US2022118305A1] A smart wall pulley for fitness includes an elastic rope, a motion sensing detection device, a fixed pulley assembly and an adjuster. The elastic rope is elastic. The motion sensing detection device is provided at one end of the elastic rope. The adjuster includes a shell and a winding post located within the shell, the other end of the elastic rope passes into the shell, then is wound around the winding post, then passes out from the shell, and then is fixedly connected to the shell after being wound around the fixed pulley assembly.

IPC 8 full level  
**A63B 21/055** (2006.01); **A63B 71/06** (2006.01); **H01H 13/06** (2006.01)

CPC (source: EP KR US)  
**A63B 21/0552** (2013.01 - EP US); **A63B 21/0557** (2013.01 - EP); **A63B 21/153** (2013.01 - KR); **A63B 21/154** (2013.01 - EP KR US); **A63B 21/156** (2013.01 - EP US); **A63B 21/169** (2015.10 - EP US); **A63B 24/0062** (2013.01 - KR); **A63B 24/0087** (2013.01 - EP US); **A63B 2220/50** (2013.01 - EP KR US); **A63B 2220/803** (2013.01 - EP); **A63B 2220/833** (2013.01 - EP KR US); **A63B 2225/09** (2013.01 - EP KR US); **A63B 2225/74** (2020.08 - EP)

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

DOCDB simple family (publication)  
**US 2022118305 A1 20220421**; CN 115066278 A 20220916; CN 115066278 B 20230919; EP 4011462 A1 20220615; EP 4011462 A4 20220615; EP 4011462 B1 20231115; EP 4011462 C0 20231115; JP 2023502185 A 20230123; JP 7333820 B2 20230825; KR 102617242 B1 20231221; KR 20220054239 A 20220502

DOCDB simple family (application)  
**US 202117443060 A 20210720**; CN 202080005256 A 20201224; EP 20911321 A 20201224; JP 2021540452 A 20201224; KR 20217022558 A 20201224