

Title (en)

PERFORMANCE MONITORING&DISPLAY SYSTEM FOR EXERCISE BIKE

Title (de)

LEISTUNGSÜBERWACHUNGS- UND ANZEIGESYSTEM FÜR EIN TRAININGSFAHRRAD

Title (fr)

SYSTÈME DE CONTRÔLE ET D'AFFICHAGE DE PERFORMANCES POUR VÉLO D'APPARTEMENT

Publication

**EP 2079365 A2 20090722 (EN)**

Application

**EP 07843866 A 20071004**

Priority

- US 2007080481 W 20071004
- US 58428306 A 20061020

Abstract (en)

[origin: US2008096725A1] An apparatus and method for determining the power of a user of an exercise cycle by measuring an RPM and resistance level achieved by the user in combination with a predetermined relationship. The RPM may be measured by sensing the rotation of, for example, a driving wheel or flywheel of the exercise cycle. The resistance level experienced by the user may be varied by an eddy current braking system. The eddy current braking system may include a pair of magnets that sweep across the face of the flywheel to thereby vary the experienced resistance level.

IPC 8 full level

**A61B 5/22** (2006.01); **A63B 21/00** (2006.01); **A63B 21/005** (2006.01); **G01L 5/00** (2006.01)

CPC (source: EP US)

**A63B 21/0051** (2013.01 - EP US); **A63B 22/0605** (2013.01 - EP US); **A63B 21/0052** (2013.01 - EP US); **A63B 21/015** (2013.01 - EP US); **A63B 21/225** (2013.01 - EP US); **A63B 2022/0658** (2013.01 - EP US); **A63B 2024/0093** (2013.01 - EP US); **A63B 2220/34** (2013.01 - EP US); **A63B 2220/51** (2013.01 - EP US); **A63B 2220/54** (2013.01 - EP US)

Cited by

CN107343992A; CN107349556A

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DOCDB simple family (publication)

**US 2008096725 A1 20080424**; CA 2702640 A1 20080502; EP 2079365 A2 20090722; EP 2079365 A4 20110323; US D643887 S 20110823; US D659778 S 20120515; WO 2008051693 A2 20080502; WO 2008051693 A3 20080703

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