

Title (en)

Regulator device

Title (de)

Einstellvorrichtung

Title (fr)

Dispositif régulateur

Publication

EP 2887156 B1 20180307 (FR)

Application

EP 13199425 A 20131223

Priority

EP 13199425 A 20131223

Abstract (en)

[origin: CN104730907A] The invention concerns a magnetic device for regulating the relative angular velocity of a wheel and of at least one magnetic dipole integral with an oscillating device, said wheel or said dipole being driven by a driving torque, said wheel including a periodic, ferromagnetic pole path which alternates according to a center angle and said at least one dipole being arranged to permit magnetic coupling with said ferromagnetic path and oscillation of said dipole at the natural frequency of the oscillating element during the relative motion of the wheel and of the magnetic dipole to regulate said relative angular velocity, said device being characterized in that said wheel further includes means for dissipating the kinetic energy of said at least one dipole when it moves away from said ferromagnetic path.

IPC 8 full level

G04C 3/10 (2006.01); **G04C 5/00** (2006.01)

CPC (source: EP US)

G04C 3/105 (2013.01 - EP US); **G04C 5/005** (2013.01 - EP US)

Cited by

GB2533960A; EP3128380A1; EP4386490A1; US9785116B2; EP3757685A1; EP3757684A1

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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)

EP 2887156 A1 20150624; **EP 2887156 B1 20180307**; CN 104730907 A 20150624; CN 104730907 B 20170524; HK 1211713 A1 20160527; JP 2015121540 A 20150702; JP 5976090 B2 20160823; RU 2014152041 A 20160710; RU 2014152041 A3 20180731; US 2015177696 A1 20150625; US 9389591 B2 20160712

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EP 13199425 A 20131223; CN 201410815422 A 20141223; HK 15112382 A 20151216; JP 2014258525 A 20141222; RU 2014152041 A 20141222; US 201414564581 A 20141209