

Title (en)
EDDY CURRENT RAIL BRAKE

Title (de)
WIRBELSTROMGLEISBREMSE

Title (fr)
RAIL-FREIN A COURANT DE FOUCAULT

Publication
EP 2331380 A2 20110615 (EN)

Application
EP 09737479 A 20091002

Priority
• JP 2009067582 W 20091002
• JP 2008257625 A 20081002

Abstract (en)
[origin: WO2010038910A2] A lightweight eddy current rail brake 11 to be mounted on a bogie frame of a railway car comprises a magnet unit 12 which generates an electromagnetic attraction force with respect to a rail 5 and which comprises an elongated support member 15 and a plurality of permanent magnets 17. The support member 15 is ferromagnetic and extends generally parallel to the direction in which a side beam of a bogie frame extends, and it is rotatable about a shaft which is generally parallel to this direction. A plurality of permanent magnets 17 are arranged on the support member 15 in series and are spaced above a rail 5. At least two adjoining permanent magnets 17 of the plurality of permanent magnets 17 are arranged so as to have different polarities from each other.

IPC 8 full level
B61H 7/08 (2006.01)

CPC (source: EP)
B61H 7/083 (2013.01); **B61H 7/086** (2013.01)

Citation (search report)
See references of WO 2010038910A2

Cited by
CN111645531A; EP3831689A4; US10071755B2

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010038910 A2 20100408; WO 2010038910 A3 20101111; CN 102149588 A 20110810; CN 102149588 B 20130710; EP 2331380 A2 20110615; EP 2331380 B1 20160713; JP 2010083446 A 20100415; JP 5151882 B2 20130227

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