

Title (en)
EDDY CURRENT RAIL BRAKE

Title (de)
WIRBELSTROMGLEISBREMSE

Title (fr)
RAIL-FREIN A COURANT DE FOUCAULT

Publication
EP 2331380 B1 20160713 (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)

Cited by
CN111645531A; EP3831689A4; US10071755B2

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DOCDB simple family (publication)
WO 2010038910 A2 20100408; WO 2010038910 A3 20101111; CN 102149588 A 20110810; CN 102149588 B 20130710;
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