

Title (en)
Rail heating device

Title (de)
Heizvorrichtung für Schienen

Title (fr)
Dispositif de chauffage pour rail

Publication
EP 1582627 A1 20051005 (EN)

Application
EP 04101238 A 20040325

Priority
EP 04101238 A 20040325

Abstract (en)
A rail heating device for heating rails of a railroad track comprising at least two magnetic field generators (1,2) each having two free ends (6) adapted to be arranged so that they are facing the rail to be heated, said magnetic field generators are controlled by a control means such that they are adapted to generate alternating magnetic fields in said rail, wherein the magnetic fields are converted into heat in the rail. The free ends of the magnetic field generators are arranged in a linear row and that said magnetic fields being such that the magnetic field through one of said free ends has an opposite direction as compared to the magnetic fields through the other free ends.

IPC 1-7
E01B 7/24

IPC 8 full level
E01B 7/24 (2006.01)

CPC (source: EP)
E01B 7/24 (2013.01)

Citation (search report)
• [DX] US 5389766 A 19950214 - TAKAHASHI SEIICHI [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)

Cited by
WO2012050502A1; EP2720513A1; US2014151366A1; EP2627823A4; US10619310B2; WO2017142473A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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