

Title (en)
Electromagnet for a train security system

Title (de)
Elektromagnet für ein Zugsicherungssystem

Title (fr)
Aimant électromagnétique pour un système de sécurité pour des trains

Publication
EP 1744330 A1 20070117 (DE)

Application
EP 06090058 A 20060413

Priority
DE 102005020106 A 20050425

Abstract (en)
An electromagnet (1) includes a winding (4) with long, strung-out electrically conducting conductor material multiply wound around the coil carrier (3), and in which the coil-carrier is arranged in a specified position in the housing (2) and is fixed on the housing; the coil carrier is bar-shaped and extends in a longitudinal direction and is joined to the housing (2) by its opposite ends. Independent claims are included for the following. (A) Use of an electromagnet on rail-vehicle (B) Arrangement with electromagnet for rail-vehicle (C) Method for fabricating electromagnet.

IPC 8 full level
H01F 5/02 (2006.01); **H01F 5/04** (2006.01); **H01F 7/06** (2006.01)

CPC (source: EP)
B61L 1/08 (2013.01); **B61L 3/121** (2013.01); **H01F 5/04** (2013.01); **B61L 2003/122** (2013.01); **H01F 7/20** (2013.01); **H01F 27/02** (2013.01); **H01F 27/04** (2013.01); **H01F 27/306** (2013.01); **H01F 2007/062** (2013.01)

Citation (applicant)
EP 0018596 A1 19801112 - ZUMTOBEL AG [AT]

Citation (search report)
• [X] EP 0018596 A1 19801112 - ZUMTOBEL AG [AT]
• [A] EP 0122133 A1 19841017 - GEN ELECTRIC CO PLC [GB]
• [X] DE 19930006 A1 20010118 - BOSCH GMBH ROBERT [DE]
• [A] JP H06219274 A 19940809 - TOSHIBA TRANSPORT ENG, et al
• [A] GB 532096 A 19410117 - SIEMENS & GENERAL ELECTRIC RAI, et al
• [A] EP 1172274 A1 20020116 - SIEMENS SCHWEIZ AG [CH]

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1744330 A1 20070117; EP 1744330 B1 20110608; EP 1744330 B8 20110928; AT E512445 T1 20110615; DE 102005020106 A1 20061026

DOCDB simple family (application)
EP 06090058 A 20060413; AT 06090058 T 20060413; DE 102005020106 A 20050425