

Title (en)
DISTANCE SENSOR ARRANGEMENT FOR A MAGNET OF THE LEVITATION MAGNET OF A MAGNETIC LEVITATION TRANSPORT SYSTEM

Title (de)
ABSTANDSSENSOR-ANORDNUNG FÜR EINEN MAGNETEN DES TRAGMAGNETEN EINER MAGNETSCHWEBEBAHN

Title (fr)
ENSEMBLE CAPTEUR DE DISTANCE CONÇU POUR UN AIMANT DE L'AIMANT DE SUSTENTATION D'UN SYSTEME DE LEVITATION MAGNETIQUE

Publication
EP 1841617 A1 20071010 (DE)

Application
EP 06704594 A 20060111

Priority
• EP 2006050149 W 20060111
• DE 102005004629 A 20050127

Abstract (en)
[origin: WO2006079583A1] The invention relates to a distance sensor arrangement for a magnet of the levitation magnet of a magnetic levitation transport system equipped with a number of distance sensors. Each distance sensor has a distance measuring coil acted upon by an operating frequency and can be placed in an installation space on the magnet. In order to obtain reliable distance measurement values by using a distance sensor arrangement of the aforementioned type, the invention provides that the distance measuring coil of each distance sensor (S1 to S12) is connected to a programmable module for generating an operating frequency. The distance sensor (S1 to S12) contains a location information querying device (30) for querying an installation space-specific location information providing device (32) in the installation space (31). The location information querying device (30) is connected on the input side to the programmable module.

IPC 8 full level
B60L 13/06 (2006.01)

CPC (source: EP US)
B60L 13/06 (2013.01 - EP US); **B60L 2200/26** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2006079583 A1 20060803; CN 101111406 A 20080123; CN 101111406 B 20131030; DE 102005004629 A1 20060810; DE 102005004629 B4 20140213; EP 1841617 A1 20071010; US 2008191690 A1 20080814; US 7737686 B2 20100615

DOCDB simple family (application)
EP 2006050149 W 20060111; CN 200680003320 A 20060111; DE 102005004629 A 20050127; EP 06704594 A 20060111; US 81497906 A 20060111