

Title (en)

MOVEMENT RANGE FOR A MOBILE OBJECT, AND EVALUATION UNIT FOR DETERMINING A POSITION OF A MOBILE OBJECT

Title (de)

BEWEGUNGSBEREICH FÜR EINEN MOBILEN GEGENSTAND UND AUSWERTUNGSVORRICHTUNG ZUM FESTSTELLEN EINER POSITION EINES MOBILEN GEGENSTANDS

Title (fr)

ZONE DE DÉPLACEMENT POUR UN OBJET MOBILE ET DISPOSITIF D'ÉVALUATION PERMETTANT DE DÉTERMINER UNE POSITION D'UN OBJET MOBILE

Publication

EP 2136887 A1 20091230 (DE)

Application

EP 08734703 A 20080320

Priority

- EP 2008002270 W 20080320
- DE 102007015493 A 20070330

Abstract (en)

[origin: WO2008119479A1] In order to determine a position of a mobile object relative to a surface within a movement range that comprises a ground which the surface intersects along a line of intersection, a magnetic field of a first elongate magnetic field-generating object which is located at a first distance from the line of intersection is measured, and a magnetic field of a second elongate magnetic field-generating object that is located in or on the ground, at a second distance on another side of the line of intersection, is measured. Based on a comparison between the measured magnetic fields, it is determined whether the mobile object is located in front of or behind the surface. A generator that triggers the magnetic field-generating objects in a multiplex mode is provided for distinguishing which magnetic field-generating object generates which magnetic field. The magnetic field-generating objects can comprise forward conductors of a conductor loop, oppositely wound coils, or forward/return conductor combinations having a magnetically shielded return conductor.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008119479A1

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