

Title (en)

LEVITATION FRAME, VEHICLE, RAIL ARRANGEMENT AND MAGNETIC LEVITATION RAILWAY

Title (de)

SCHWEBERAHMEN, FAHRZEUG, SCHIENENANORDNUNG UND MAGNETSCHWEBEBAHN

Title (fr)

CADRE DE SUSTENTATION, VÉHICULE, AGENCEMENT DE RAILS ET VOIE FERRÉE À SUSTENTATION MAGNÉTIQUE

Publication

EP 4244113 A1 20230920 (DE)

Application

EP 21844767 A 20211229

Priority

- DE 102020135041 A 20201229
- EP 2021087792 W 20211229

Abstract (en)

[origin: TW202224981A] The invention relates to a levitation frame (7) for a vehicle (2) of a magnetic levitation railway (1) having a magnet unit (8) for the electromagnetic lateral guidance of the vehicle (2), and having a mechanical side guide (11). Furthermore, the invention relates to a vehicle (2) for a magnetic levitation railway (1) having at least one levitation framework (6), wherein the levitation framework (6) has at least one levitation frame (7). In addition, the invention relates to a rail arrangement (3) of a magnetic levitation railway (1) having a track (4) which is designed to at least partially enclose a levitation framework (6) of a vehicle (2). Finally, the invention relates to a magnetic levitation railway (1) having a vehicle (2) and a rail arrangement (3). For the levitation frame (7) it is proposed that the mechanical side guide (11) has a guide element (13) and at least one joint (14), wherein the guide element (13) is movably connected to the levitation frame (7) via the joint (14).

IPC 8 full level

B61B 13/08 (2006.01)

CPC (source: EP US)

B61B 13/08 (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020135041 A1 20220630; CN 116710343 A 20230905; EP 4244113 A1 20230920; TW 202224981 A 20220701;
US 2024067234 A1 20240229; WO 2022144393 A1 20220707

DOCDB simple family (application)

DE 102020135041 A 20211229; CN 202180087635 A 20211229; EP 2021087792 W 20211229; EP 21844767 A 20211229;
TW 110147922 A 20211221; US 202118269807 A 20211229