

Title (en)
CONCRETE SUPPORT OF A MAGNETIC LEVITATION TRAIN

Title (de)
BETONTRAEGER EINER MAGNETSCHWEBEBAHN

Title (fr)
SUPPORT EN BÉTON D'UN TRAIN À SUSTENTATION MAGNÉTIQUE

Publication
EP 4244425 A1 20230920 (DE)

Application
EP 21839876 A 20211215

Priority

- DE 102020134832 A 20201223
- EP 2021085795 W 20211215

Abstract (en)
[origin: WO2022136037A1] A concrete support (1) of a magnetic levitation train comprises two side supports (2), which are interconnected at least in part and form a travel path for the magnetic levitation train. Each side support (2) has at least one protrusion (3, 4), and on the protrusion (3) a reaction rail (8) of the drive of the magnetic levitation train is disposed, the reaction rail running in the longitudinal direction of the concrete support (1). The reaction rail (8) of the side support (2) is formed of a plurality of reaction rail elements (8.1) strung together. Each of the reaction rail elements (8. 1) is straight. For curve segments, the concrete support (1) is curved at least about its vertical axis and/or transverse axis and/or is twisted about its longitudinal axis, and on the curved concrete support (1) the reaction rail (8) forms, in the vertical direction and/or transverse direction, a polygon composed of the individual reaction rail elements (8.1).

IPC 8 full level
E01B 25/32 (2006.01)

CPC (source: EP)
E01B 25/32 (2013.01)

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)
WO 2022136037 A1 20220630; CN 116888325 A 20231013; DE 102020134832 A1 20220623; EP 4244425 A1 20230920; TW 202224978 A 20220701

DOCDB simple family (application)
EP 2021085795 W 20211215; CN 202180086250 A 20211215; DE 102020134832 A 20201223; EP 21839876 A 20211215; TW 110141769 A 20211110