

Title (en)
INDUCTION MOTOR MONORAIL SYSTEM.

Title (de)
EINSCHIENENSYSTEM MIT INDUKTIONSMOTOR.

Title (fr)
SYSTEME MONORAIL DE MOTEUR A INDUCTION.

Publication
EP 0653992 A1 19950524 (EN)

Application
EP 92919146 A 19920814

Priority
US 9206908 W 19920814

Abstract (en)
[origin: WO9404404A1] A magnetic levitated vehicle (10), including a linear rotor (62) connected thereto, runs on a tubular track (12) having a circular cross section and a tubular linear induction motor stator (30) mounted therein. The rotor (62) is movably mounted within the stator (30) and the vehicle (10) is positioned above the track (12). The rotor (62) is connected to the vehicle (10) by a riser (64) extending through longitudinal slots (54, 56) of the track (12) and stator (30), and by an actuator mechanism, which includes a transversely curved saddle (142, 144, 146) movably connected to drive members (76a, 76b), for enabling the vehicle (10) to be banked at curve sections of the tubular track (12). Further, vehicle banking is also accomplished by constructing the track (12) and stator (30) with the slots (54, 56) laterally offset at the curved sections of the track (12).

IPC 1-7
B61B 5/00; B60L 13/00

IPC 8 full level
B61B 13/06 (2006.01); **B60L 13/00** (2006.01); **B60L 13/10** (2006.01); **B61B 5/00** (2006.01); **B61B 13/08** (2006.01)

CPC (source: EP)
B60L 13/10 (2013.01); **B61B 13/08** (2013.01); B60L 2200/26 (2013.01)

Designated contracting state (EPC)
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9404404 A1 19940303; AU 2550592 A 19940315; CA 2142292 A1 19940303; EP 0653992 A1 19950524; EP 0653992 A4 19950726; JP H08503669 A 19960423

DOCDB simple family (application)
US 9206908 W 19920814; AU 2550592 A 19920814; CA 2142292 A 19920814; EP 92919146 A 19920814; JP 50619194 A 19920814