

Title (en)

DEVICE FOR FIXING A MAGNETIC RAIL OF AN ELECTRICAL LINEAR MOTOR TO A SUPPORT

Title (de)

EINRICHTUNG ZUM FIXIEREN EINER MAGNETSCHIENE EINES ELEKTRISCHEN LINEARMOTORS AN EINEM TRÄGER

Title (fr)

SYSTEME PERMETTANT DE FIXER UN RAIL MAGNETIQUE D'UN MOTEUR LINEAIRE ELECTRIQUE SUR UN SUPPORT

Publication

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Application

EP 04820608 A 20041126

Priority

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Abstract (en)

[origin: WO2005062446A1] The invention relates to a magnetic rail (2) of an electric linear motor, lying with the upper side thereof on overlapping stop lugs (9) of retainer elements, fixed to a support (1) and arranged at a given height above the support (1). The separation between the support (1) and the stop lugs (9) is greater than the corresponding thickness of the magnetic rails (2), which are tensioned against the stop lugs (9) in a defined manner, with low force, by means of spring elements (10). The separation of the magnetic rails (2) from a coil component (6) of the linear motor is held constant independent of differences in the thickness and a stressing of the longitudinally-displaceable magnetic rails (2) with the support (1), due to differing thermal expansions, is avoided.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2005062446A1

Citation (examination)

- OA 08210 A 19871030 - SUD OUEST TRAVAUX
- DE 3912327 A1 19901018 - HAMBURGER HOCHBAHN AG [DE]

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