

Title (en)

DEVICE FOR CONNECTION OF A LINEAR MOTOR ARMATURE TO A LINEAR TRACK

Title (de)

VORRICHTUNG ZUM ANBINDEN EINES LINEARMOTORLÄUFERS AN EINE LINEARFÜHRUNG

Title (fr)

DISPOSITIF POUR RELIER UNE ARMATURE DE MOTEUR LINEAIRE A UNE COMMANDE LINEAIRE

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Application

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Abstract (en)

[origin: WO2006013156A1] The invention relates to a device, for connection of a linear motor armature (1) to a linear track, comprising a support plate (2), to which the linear motor armature (1) is fixed, at least two guide elements (5), by means of which the support plate (2) may be engaged with the linear track, in order to be displaced in a displacement direction along the linear track. Said device comprises at least one compensator element (3) of a first type, by means of which the support plate (2) has a sprung, rotating mounting to one of the at least two track elements (5) transverse to the displacement direction and at least one compensator element (4) of a second type, by means of which the support plate (2) has a rotating mounting to another of the at least two track elements (5). By the arrangement of two types of compensator elements (3,4), torques and lateral forces on the support plate (2) are not transmitted to the mountings of the linear track and a resonance of the support plate (2) is prevented.

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