

Title (en)

MAGNET DEVICE COMPRISING STATORS AND TRANSLATORS

Title (de)

MAGNETVORRICHTUNG UMFASSEND STATOREN UND TRANSLATOREN

Title (fr)

DISPOSITIF À AIMANTS COMPORTANT DES STATORS ET DES TRANSLATEURS

Publication

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Application

**EP 15791507 A 20150918**

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Abstract (en)

[origin: WO2016046084A1] The invention relates to a magnet device comprising at least one stator (1) and a translator (2), wherein the stator (1) and the translator (2) comprise in each case at least one magnet with pole ends and a line of action of the magnet, and wherein the translator (2) can be moved along a movement axis (3) in a direction of movement (4), wherein each stator line of action (15) of the stator (1) or each stator extension line (16) of the stator line of action (15), said stator extension line (16) extending as a geometric beam away from the pole end of the stator (1) as a geometric tangent relative to the line of action of the stator (5), and a translator line of action (25) of the translator (2) or a translator extension line (26) of the translator line of action (25), which extends as a geometric tangent away from the pole end of the translator (2) as a geometric tangent to the translator line of action (25), have intersection points (10), and thus the stator line of action (15), optionally the stator extension line (16), the translator line of action (25) and optionally the translator extension line (26) form a closed geometric shape, such that the magnetic flux between the stator (1) and the translator (2) is bundled, wherein lines of action (5) and extension lines (6) extend in a cutting plane (11), which comprises the axis of movement (3), through the magnetic device.

IPC 8 full level

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