

Title (en)

DRIVE WITH SEVERAL FLAT LINEAR MOTORS

Title (de)

ANTRIEBSVORRICHTUNG MIT MEHREREN FLACHEN LINEARMOTOREN

Title (fr)

DISPOSITIF D'ENTRAINEMENT COMPORTANT PLUSIEURS MOTEURS LINEAIRES PLATS

Publication

EP 0873586 A1 19981028 (DE)

Application

EP 97900980 A 19970109

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- EP 9700070 W 19970109

Abstract (en)

[origin: WO9725765A1] In a drive with several flat linear motors arranged next to each other and having each a plate-shaped stator (4, 5, 6) and a plate-shaped rotor (1), as well as at least one magnet (3) that generates a magnetic field or windings (2) through which flows a current, the size of the drive, in particular transversely to the driving motion of the drive, may be reduced and service life may be increased by arranging the windings (2) inside the rotor (1). Additionally or alternatively, the magnets (3) are arranged in a plate (6) of the stator. Additionally or alternatively, it is also possible to gather the linear motors in a pack. Two-phase synchronous motors are particularly advantageous as linear motors.

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