

Title (en)
REVOLVING DOOR DRIVE MECHANISM

Title (de)
DREHTÜRANTRIEB

Title (fr)
SYSTEME D'ENTRAINEMENT POUR PORTE A TAMBOUR

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Application
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Abstract (en)
[origin: DE19756496A1] The invention relates to a revolving door drive mechanism with an electronic controlling means containing at least one storage device and one microprocessor. The invention is provided for a door having at least one leaf. The door leaf is comprised of an electromechanical drive unit which operates the opening and closing functions. The drive unit is provided for the connected door (53) and is essentially comprised of a drive motor (10) with a transmission (9) and a load transmitting unit (5-8) connected thereto. The load transmitting unit contains a drive axle (22) which is connected to an end (6) of an actuating lever, and the drive unit is installed inside a door leaf (53) or inside a door frame such that it cannot be seen. The load transmitting unit comprised of a spindle (8) is connected to a spindle nut (7) which partially overlaps said unit. The spindle nut is connected to a rack (5) in a non-positive and positive manner, whereby the drive axle (22) engages with the gearing thereof inside a gearing (23) of the rack.

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