

Title (en)
Door drive, especially pivoting door drive

Title (de)
Türantrieb, insbesondere Drehtürantrieb

Title (fr)
Entraînement de porte, en particulier entraînement de porte pivotante

Publication
EP 2088271 A3 20141203 (DE)

Application
EP 09006803 A 20051114

Priority
• EP 05803499 A 20051114
• DE 102004061620 A 20041217

Abstract (en)
[origin: WO2006066667A1] The invention relates to a door drive (1), in particular a revolving door drive, comprising a drive unit (2), which can be coupled to the door by means of an output shaft (9) and which is situated in a housing (13), a motor (3), which has a drive connection to the drive unit (2) and an elastic force accumulator (4), which is provided in the housing (13) and is coupled to the motor (3) and the drive unit (2). The drive is also equipped with a hydraulic pump (5) in the form of a proportional piston pump, which has a drive connection to the motor (3) and a hydraulic connection to a first pressure chamber (6) that is associated with the drive unit (2) and to a separate second pressure chamber (7) that is associated with the elastic force accumulator (4). The drive is also provided with a hydraulic damping unit, which is located between a receiving chamber for the drive unit (2) and an intermediate chamber (20) of the housing (13), which adjoins the second pressure chamber (7).

IPC 8 full level
E05F 3/22 (2006.01); **E05F 3/10** (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)
E05F 3/104 (2013.01); **E05F 3/224** (2013.01); **E05F 15/614** (2015.01); **E05F 15/53** (2015.01); **E05F 15/63** (2015.01); **E05Y 2201/41** (2013.01); **E05Y 2201/422** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2400/3015** (2024.05); **E05Y 2900/132** (2013.01)

Citation (search report)
• [Y] WO 2004106681 A1 20041209 - DORMA GMBH & CO KG [DE], et al
• [Y] WO 0066864 A1 20001109 - BESAM AB [SE], et al
• [AD] DE 4038720 C2 19950518 - DORMA GMBH & CO KG [DE]
• [A] US 4660250 A 19870428 - TILLMAN HORST [DE], et al

Cited by
CN104471167A; US2012233810A1; US9045926B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102004061620 B3 20060614; DE 202005021752 U1 20091015; EP 1828520 A1 20070905; EP 2088271 A2 20090812; EP 2088271 A3 20141203; WO 2006066667 A1 20060629

DOCDB simple family (application)
DE 102004061620 A 20041217; DE 202005021752 U 20051114; EP 05803499 A 20051114; EP 09006803 A 20051114; EP 2005012167 W 20051114