

Title (en)
Hydraulic drive for a turning sash

Title (de)
Hydraulischer Drehflügelantrieb

Title (fr)
Entraînement hydraulique pour vantail rotatif

Publication
EP 1355030 A3 20090311 (DE)

Application
EP 03008694 A 20030416

Priority
DE 10216982 A 20020416

Abstract (en)
[origin: EP1355030A2] Hydraulic turning sash drive for swing doors comprises an actuating piston (2) acting on a drive shaft (5), and a hydraulic pump (10) acting via a closed hydraulic circuit on the actuating piston. Preferred Features: The hydraulic pump can be driven at different speeds in different directions. The hydraulic pump is driven by a motor (12) which can be driven at different speeds and in different directions. The motor is a d.c. motor or an asynchronous motor. The intake side of the hydraulic pump is connected to a rear piston chamber (8) and the pressure side is connected to a front piston chamber (7). At least one non-return valve (14) is provided in the connection line (13).

IPC 8 full level
E05F 15/04 (2006.01); **E05F 3/22** (2006.01); **F15B 7/00** (2006.01); **F15B 7/10** (2006.01); **F15B 15/00** (2006.01); **F15B 15/08** (2006.01); **F15B 15/14** (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP US)
E05F 3/224 (2013.01 - EP US); **E05F 15/53** (2015.01 - EP US); **F15B 7/006** (2013.01 - EP US); **F15B 7/10** (2013.01 - EP US); **F15B 15/065** (2013.01 - EP US); **F15B 15/1447** (2013.01 - EP US); **E05F 3/102** (2013.01 - EP US); **E05Y 2201/41** (2013.01 - EP US); **E05Y 2201/422** (2013.01 - EP US); **E05Y 2201/448** (2013.01 - EP US); **E05Y 2400/3015** (2024.05 - EP US); **E05Y 2900/132** (2013.01 - EP US); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/613** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US)

Citation (search report)
• [XY] EP 1134431 A1 20010919 - FESTO AG & CO [DE]
• [Y] US 6035634 A 20000314 - TUPPER MYRON D [US], et al
• [X] US 5467596 A 19951121 - YU XUDONG [US]
• [X] EP 1092829 A2 20010418 - GEZE GMBH [DE]

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EP1828521A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
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DOCDB simple family (application)
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