Title (en)

Swinging door drive

Title (de)

Drehtürantrieb

Title (fr)

Mécanisme d'entraînement d'une porte battante

Publication

EP 1020602 A3 20030514 (DE)

Application

EP 99120286 A 19991012

Priority

DE 19901229 A 19990114

Abstract (en)

[origin: EP1020602A2] The electronic control with at least one accumulator and at least one micro-processor releases sensor signals via a cog wheel on a driven shaft which is connected by connecting rods and operating arm to the revolving door. Between the driven shaft and the connecting rods or operating arm is a gear changing its transmission ratio by means of the swing angle of the revolving door. The gear has two inter-engaging cog wheels (8,13) each formed by a circular gear rim and mounted eccentrically in relation to their center points (16,17). The first cog wheel operates in conjunction with a driven shaft, and the second cog wheel operates coaxially in relation to its rotary point (18) with the driven cog wheel. The rotary axis of the driven shaft runs through the rotary point (15) of the first cog wheel.

IPC 1-7

E05F 15/12

IPC 8 full level

E05F 3/22 (2006.01); **E05F 15/614** (2015.01); **E05F 15/63** (2015.01); E05F 3/10 (2006.01)

CPC (source: EP US)

E05F 15/614 (2015.01 - EP US); **E05F 15/63** (2015.01 - EP US); E05F 3/102 (2013.01 - EP US); E05Y 2201/434 (2013.01 - EP US); E05Y 2201/618 (2013.01 - EP US); E05Y 2201/716 (2013.01 - EP US); E05Y 2600/46 (2013.01 - EP US); E05Y 2800/17 (2013.01 - EP US); E05Y 2800/21 (2013.01 - EP US); E05Y 2900/132 (2013.01 - EP US); Y10T 74/19972 (2015.01 - EP US)

Citation (search report)

- [DX] DE 3202930 A1 19830811 - GEZE GMBH [DE]
- [DX] DE 4124282 A1 19930128 - DORMA GMBH & CO KG [DE]
- [A] EP 0243786 A1 19871104 - GEZE GMBH [DE]
- [A] FR 1510056 A 19680119 - LEVASSEUR ETS
- [E] EP 1020603 A2 20000719 - DORMA GMBH & CO KG [DE]

Cited by

CN103277004A; EP1020603A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1020602 A2 20000719; **EP 1020602 A3 20030514**; **EP 1020602 B1 20080312**; AT E389088 T1 20080315; DE 19901229 A1 20000727; DE 19901229 C2 20020808; DE 19964436 B4 20051229; DE 59914687 D1 20080424; DK 1020602 T3 20080714; ES 2303729 T3 20080816; US 6338693 B1 20020115

DOCDB simple family (application)

EP 99120286 A 19991012; AT 99120286 T 19991012; DE 19901229 A 19990114; DE 19964436 A 19990114; DE 59914687 T 19991012; DK 99120286 T 19991012; ES 99120286 T 19991012; US 48236300 A 20000113