

Title (en)

Drive for doors, especially garage doors

Title (de)

Antrieb für Tore, insbesondere Garagentore

Title (fr)

Commande pour portes, en particulier portes de garages

Publication

EP 1197627 B1 20060913 (DE)

Application

EP 01117150 A 20010713

Priority

- DE 10045767 A 20000915
- DE 10047372 A 20000925

Abstract (en)

[origin: EP1197627A1] Drive for doors, especially garage doors, comprises door rollers (18) arranged on each side of the moving part of the door and guided in fixed rails (16), and a drive unit (24) consisting of at least one motor (26) and one gear. Two opposite-rotating drive shafts on which rope rollers (28, 30) are arranged lead out of the drive unit. A rope (38) with two free ends (40, 42) is wound on each rope roller. To open or close the door the door rollers or the door edges interact with the ropes so that the rotation of the rope rollers is transferred to the door rollers or edges. Preferred Features: The drive unit is arranged on the door leaf of a swing door or on a segment, preferably the uppermost segment, of a sectional door, or is fixed e.g. to the garage roof.

IPC 8 full level

E05F 15/16 (2006.01)

CPC (source: EP US)

E05D 13/00 (2013.01 - EP US); **E05F 15/686** (2015.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Cited by

ES2324080A1; WO2008104623A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1197627 A1 20020417; **EP 1197627 B1 20060913**; AT E339580 T1 20061015; CN 1227442 C 20051116; CN 1344855 A 20020417; DE 50110993 D1 20061026; ES 2270929 T3 20070416; US 2002066231 A1 20020606; US 6779306 B2 20040824

DOCDB simple family (application)

EP 01117150 A 20010713; AT 01117150 T 20010713; CN 01133106 A 20010914; DE 50110993 T 20010713; ES 01117150 T 20010713; US 95382301 A 20010917