

Title (en)

Overhead door, in particular garage door, and electric driving means for an overhead door

Title (de)

Schwenktor, insbesondere Garagenschwenktor, sowie elektrische Antriebsvorrichtung für ein Schwenktor

Title (fr)

Porte basculante, en particulier porte de garage, ainsi que dispositif d'entraînement électrique pour une porte basculante

Publication

EP 1325997 A3 20060816 (DE)

Application

EP 02018840 A 20020823

Priority

DE 20200021 U 20020103

Abstract (en)

[origin: EP1325997A2] The reduction gear unit (5) has a coupling which ensures that the drive motor (4) with the start of the drive movement not yet is coupled with the drive shaft (8), however is coupled by the drive movement at the drive shaft. The coupling (9) has a coupling gear (12) arranged coaxial to the drive shaft, rotatable compared to the drive shaft, a follower piece (13) arranged co-axial to the drive shaft rotatable compared to the drive shaft, axially movable compared to the drive shaft, rotatable compared to the drive shaft and to the coupling gear and has a follower counter piece (14) fixed connected with the drive shaft. The follower piece is movable from a rest position separated from the follower counter piece by the beginning drive movement, axially in a working setting, standing in engagement transmitting force with the follower counter piece. In the working setting, a transmission of the driving force from the coupling gear, results across the follower piece and the follower counter piece on the drive shafts or the part drive shafts, and at the end of the drive movement, a return setting of the follower piece results in its direction nor in the direction of its rest position.

IPC 8 full level

E05F 15/41 (2015.01); **E05F 15/603** (2015.01); **E05F 15/676** (2015.01)

CPC (source: EP)

E05F 15/41 (2013.01); **E05F 15/603** (2015.01); **E05F 15/676** (2015.01); **E05Y 2201/21** (2013.01); **E05Y 2201/214** (2013.01); **E05Y 2201/232** (2013.01); **E05Y 2201/26** (2013.01); **E05Y 2201/266** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/462** (2013.01); **E05Y 2400/612** (2013.01); **E05Y 2600/46** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

- [ADY] DE 1959441 U 19670427 - OSTHUSHENRICH KARL [DE]
- [Y] US 4750294 A 19880614 - LAFONTAINE LUCIEN [CA]
- [XY] US 2922638 A 19600126 - SMITH SAMUEL H
- [Y] US 3284952 A 19661115 - LODGE EDWARD E
- [A] US 2064470 A 19361215 - HECKMAN JOHN A

Cited by

DE102005039533C5; US7339338B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1325997 A2 20030709; **EP 1325997 A3 20060816**; **EP 1325997 B1 20101027**; AT E486188 T1 20101115; DE 20200021 U1 20020508; DE 50214733 D1 20101209

DOCDB simple family (application)

EP 02018840 A 20020823; AT 02018840 T 20020823; DE 20200021 U 20020103; DE 50214733 T 20020823