

Title (en)
Drive unit for a swinging wing

Title (de)
Antriebsanordnung für einen Schwenkflügel

Title (fr)
Agencement d'entraînement pour un battant pivotant

Publication
EP 2136022 A3 20130626 (DE)

Application
EP 09162695 A 20090615

Priority
DE 102008028633 A 20080618

Abstract (en)
[origin: EP2136022A2] The drive unit (10) has a connecting mechanism with a swinging wing (20), where an associated frame (22) is hinged to other drive module with a drive housing (14). The drive housing is displaced in a structurally defined end position around a rotation axis in a closed position of the swinging wing, under extensive suppression of play in the direction of rotation.

IPC 8 full level
E05F 11/06 (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)
E05F 11/06 (2013.01); **E05F 15/619** (2015.01); **E05Y 2201/10** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2201/724** (2013.01); **E05Y 2600/10** (2013.01); **E05Y 2600/322** (2013.01); **E05Y 2600/626** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

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- [E] WO 2010012741 A1 20100204 - TOPP S P A [IT], et al
- [XDA] DE 20120604 U1 20020228 - WINKHAUS FA AUGUST [DE]
- [X] DE 20214767 U1 20021121 - WINKHAUS FA AUGUST [DE]

Cited by
EP3263816A1; FR3053070A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2136022 A2 20091223; EP 2136022 A3 20130626; EP 2136022 B1 20180425; CN 101608522 A 20091223; CN 101608522 B 20121205; DE 102008028633 A1 20091231; DE 102008028633 B4 20120606; DK 2136022 T3 20180806; PL 2136022 T3 20181031

DOCDB simple family (application)
EP 09162695 A 20090615; CN 200910149642 A 20090617; DE 102008028633 A 20080618; DK 09162695 T 20090615; PL 09162695 T 20090615