

Title (en)  
DRIVE DEVICE FOR A SLIDABLE LEAF IN THE FORM OF A SLIDING LEAF OR A SLIDABLE LIFT-AND-SLIDE LEAF OF A WINDOW OR A DOOR

Title (de)  
ANTRIEBSVORRICHTUNG FÜR EINEN VERSCHIEBBAREN FLÜGEL ALS SCHIEBEFLÜGEL ODER VERSCHIEBBAREN HEBE-SCHIEBEFLÜGEL EINES FENSTERS ODER EINER TÜR

Title (fr)  
DISPOSITIF D'ENTRAÎNEMENT D'UN BATTANT COULISSANT SE PRÉSENTANT SOUS LA FORME D'UN BATTANT À COULISSE OU D'UN BATTANT À COULISSE ET À LEVAGE POUVANT COULISSER D'UNE FENÊTRE OU D'UNE PORTE

Publication  
**EP 3775459 B1 20220330 (DE)**

Application  
**EP 19709859 A 20190228**

Priority  
• DE 202018001609 U 20180327  
• EP 2019054989 W 20190228

Abstract (en)  
[origin: WO2019185283A1] The invention relates to a drive device (1) for a slidable leaf (2) in the form of a sliding leaf or a slidable lift-and-slide leaf of a window or a door (3), comprising a blind frame (4) in which the leaf (2) is held in a slidable manner. In order to slide the leaf (2), the drive device (1) comprises a leaf-side drive motor (5) with a threaded spindle (6) which is driven on the drive motor and is forcibly guided about a gear rack element (7) arranged on the blind frame (4). In the assembled position of the leaf (2), the drive device (1) is arranged virtually entirely in a recess or a receiving groove (8) of an upper horizontal beam (9) of the leaf (2) and a guide rail (10) arranged on the blind frame (4) so as to be concealed, the drive motor (5) and the threaded spindle (6) are mounted in a housing (11) so as to form one unit, and the gear rack element (7) can be secured in a surrounded manner by the guide rail (10).

IPC 8 full level  
**E05F 15/635** (2015.01)

CPC (source: EP KR)  
**E05F 15/635** (2015.01 - EP KR); **E05F 15/652** (2015.01 - EP KR); **E05Y 2201/10** (2013.01 - EP KR); **E05Y 2201/41** (2013.01 - EP KR); **E05Y 2201/46** (2013.01 - EP KR); **E05Y 2201/702** (2013.01 - EP KR); **E05Y 2201/722** (2013.01 - EP KR); **E05Y 2600/60** (2013.01 - EP KR); **E05Y 2800/205** (2013.01 - EP KR); **E05Y 2900/132** (2013.01 - EP KR)

Citation (examination)  
• JP 2951644 B1 19990920  
• EP 2527579 A1 20121128 - TOPP S P A A SOCIO UNICO [IT]

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 202018001609 U1 20180419**; CN 111989454 A 20201124; CN 111989454 B 20211231; EP 3775459 A1 20210217; EP 3775459 B1 20220330; KR 20200136011 A 20201204; PL 3775459 T3 20220620; RU 2020130421 A 20220316; RU 2020130421 A3 20220428; WO 2019185283 A1 20191003

DOCDB simple family (application)  
**DE 202018001609 U 20180327**; CN 201980022248 A 20190228; EP 19709859 A 20190228; EP 2019054989 W 20190228; KR 20207030722 A 20190228; PL 19709859 T 20190228; RU 2020130421 A 20190228