

Title (en)  
DOOR HINGE

Title (de)  
TÜRSCHARNIER

Title (fr)  
CHARNIÈRE DE PORTE

Publication  
**EP 3628805 A1 20200401 (EN)**

Application  
**EP 18197638 A 20180928**

Priority  
EP 18197638 A 20180928

Abstract (en)  
A hinge system comprises a bottom hinge and a top hinge. The bottom hinge includes a (lower) frame part (240) and an (upper) sash part (220), said upper part (220) with a knuckle (226) firmly attached to a upper leaf (221). Said lower part (240) shows an axle pin (245) attached to a lower leaf (241). Said axle pin (245) defines a pivot axis (205) for the hinge. The lower frame part (240) further includes a foot element (248) with a bolt bearing an external thread interacting with a matching threaded hole in the axle pin (245). Said foot element (248) is thus being adjustable in a direction along the pivot axis (205). This foot element allows for transferring load from the sash or panel directly to a floor underneath instead of solely transferrin the load into a frame or wall. Further is disclosed a method for mounting such a hinge system including respective adjustment steps.

IPC 8 full level  
**E05D 3/02** (2006.01); **E05D 7/081** (2006.01); **E05D 5/10** (2006.01); **E05D 5/12** (2006.01)

CPC (source: EP)  
**E05D 3/02** (2013.01); **E05D 7/081** (2013.01); **E05D 2005/102** (2013.01); **E05D 2005/124** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [IA] EP 2770284 A2 20140827 - SAMSUNG ELECTRONICS CO LTD [KR]
- [Y] FR 2940999 A1 20100716 - MONIN [FR]
- [Y] WO 03097974 A2 20031127 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- [A] EP 2801775 A2 20141112 - SAMSUNG ELECTRONICS CO LTD [KR]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3628805 A1 20200401**; **EP 3628805 B1 20220420**; ES 2913771 T3 20220606; SI 3628805 T1 20220831

DOCDB simple family (application)  
**EP 18197638 A 20180928**; ES 18197638 T 20180928; SI 201830717 T 20180928