

Title (en)  
HYDRAULIC HINGE FOR GLASS DOORS

Title (de)  
HYDRAULISCHES SCHARNIER FÜR GLASTÜREN

Title (fr)  
CHARNIÈRE HYDRAULIQUE POUR PORTES VITRÉES

Publication  
**EP 4212689 A1 20230719 (EN)**

Application  
**EP 23152218 A 20230118**

Priority  
ES 202230071 U 20220118

Abstract (en)  
It comprises a base (1) with two covers (2,3), between whose covers the door is fixed, a hydraulic circuit (4) and an eccentric axis (5) that is fixed to one of the covers (2), characterized in that the cover (2) that is fixed to the eccentric axis (5) comprises:- cavities (6), one per end of the axis (7), with a first slope (8), and which configure a second slope (10) in its upper part, which reduces the inner space of the cavity (6),- shoes (9) that block the cavities (6), immobilize the ends (7) of the eccentric axis (5) by contact and are fixed against the cover (2), and that have a third slope (11), which is facing the second slope (10), and- fixing means (12), which are fixed to the shoes (9), arranged perpendicular to the cover (2).

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

CPC (source: EP)  
**E05D 5/0246** (2013.01); **E05D 5/12** (2013.01); **E05D 7/1061** (2013.01); **E05Y 2600/502** (2013.01); **E05Y 2800/30** (2024.05); **E05Y 2800/672** (2013.01); **E05Y 2900/132** (2013.01)

Citation (applicant)  
• EP 2746509 A1 20140625 - KING SLIDE WORKS CO LTD [TW], et al  
• ES 2701185 T3 20190221 - IN & TEC SRL  
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• WO 2018002805 A2 20180104 - COLCOM GROUP S P A [IT]  
• EP 2472036 A2 20120704 - IND GALTES S A [ES]  
• EP 2808474 A1 20141203 - GANG GWO IND CO LTD [TW]  
• US 2009188082 A1 20090730 - HUANG SHIH-CHANG [TW]

Citation (search report)  
• [XDI] EP 2808474 A1 20141203 - GANG GWO IND CO LTD [TW]  
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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4212689 A1 20230719**; ES 1286345 U 20220209; ES 1286345 Y 20220509

DOCDB simple family (application)  
**EP 23152218 A 20230118**; ES 202230071 U 20220118