

Title (en)  
Hinging device for windows and doors

Title (de)  
Scharnierzvorrichtung für Fenster und Türe

Title (fr)  
Dispositif de charnière pour fenêtres et portes

Publication  
**EP 1612356 A2 20060104 (EN)**

Application  
**EP 05013228 A 20050620**

Priority  
IT TO20040437 A 20040628

Abstract (en)  
A hinging device for windows and doors including a fixed frame (12) and a movable frame (14), comprising: - a first support element (24) to be fastened to the fixed frame (12) and bearing a main axis of articulation (38), - a second support element (26) to be fastened to the movable frame (14), - a main lever (42) articulated to the first support element (24) around the main axis (38), - a secondary lever (60) slidably articulated to the first support element (24) and articulated to an intermediate region (45) of the main lever (42), and - a connecting rod (76) having an end (78) articulated to the second support element (26). The first support element (24) bears an elongated articulation pivot pin (36) and the main lever (42) has an articulation portion (50) which extends parallel to the main axis of articulation (38) and engages the pivot pin (36) at least at its end regions.

IPC 8 full level  
**E05D 15/52** (2006.01)

CPC (source: EP)  
**E05D 15/30** (2013.01); **E05D 15/5211** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Cited by  
EP2369111A3; EP1936085A1; EP2302152A1; DE102010028602A1; EP2369110A3; EP2811092A3; WO2017064346A1; EP2400094A2; US10400492B2

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DOCDB simple family (publication)  
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