

Title (en)  
A HINGE MECHANISM

Title (de)  
SCHARNIERMECHANISMUS

Title (fr)  
MÉCANISME DE CHARNIÈRE

Publication  
**EP 3095940 A1 20161123 (EN)**

Application  
**EP 16170056 A 20160518**

Priority  
TR 201505962 A 20150518

Abstract (en)  
The present invention relates to a hinge mechanism (1) which enables opening and closing of the doors of appliances. The object of the invention is to provide a hinge mechanism (1) that enables the door to be opened and closed in a balanced manner, that prevents hard collision in the event of the door being closed fast, that can be locked in the mounting position in order to enable easy mounting.

IPC 8 full level  
**E05F 1/12** (2006.01); **E05F 5/02** (2006.01); **E05F 5/10** (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP)  
**E05D 11/1007** (2013.01); **E05D 11/1014** (2013.01); **E05F 1/1261** (2013.01); **E05F 5/02** (2013.01); **E05F 5/10** (2013.01); **F24C 15/023** (2013.01); **E05D 11/105** (2013.01); **E05Y 2600/56** (2013.01); **E05Y 2800/296** (2013.01); **E05Y 2800/344** (2013.01); **E05Y 2800/742** (2013.01); **E05Y 2900/30** (2013.01); **E05Y 2900/306** (2013.01); **E05Y 2900/308** (2013.01); **E05Y 2900/31** (2013.01)

Citation (applicant)  
• US 8533914 B2 20130917 - VANINI ANGELO [IT]  
• DE 20306043 U1 20040826 - LIEBHERR HAUSGERAETE [DE]  
• US 8806718 B2 20140819 - ELKASEVIC SUAD [US]  
• US 6438799 B1 20020827 - GRONBACH LINA [DE]

Citation (search report)  
• [X] US 3187374 A 19650608 - LUNDELL KERMIT A  
• [A] EP 2703590 A2 20140305 - LAAG S R L [IT]

Cited by  
IT202200003044A1; CN107575115A; CN113356708A; CN110313844A; CN111075297A; CN107740649A; CN109209088A; CN111042680A; CN106703582A; CN111042683A; CN110528984A; CN111042679A; KR20190076238A; CN111373112A; CN114320045A; US11982041B2; US11162288B2; WO2023131041A1; WO2019124872A1; WO2023156893A1

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 3095940 A1 20161123**; **EP 3095940 B1 20220420**; BR 102016011179 A2 20180717; EP 3960976 A1 20220302

DOCDB simple family (application)  
**EP 16170056 A 20160518**; BR 102016011179 A 20160517; EP 21189201 A 20160518