

Title (en)  
Hinging device for household appliance

Title (de)  
Hausgerät-Scharniervorrichtung

Title (fr)  
Dispositif de charnière pour un appareil ménager

Publication  
**EP 1055881 A3 20031001 (DE)**

Application  
**EP 00111209 A 20000524**

Priority  
DE 19923996 A 19990526

Abstract (en)  
[origin: EP1055881A2] The collision force of the two arrester faces (40,42) is damped down by a first damping element (46) on the door part (20) a second element (48) on the connecting rod (24) and placed at points which necessarily converge due to the excentric hinge axes (18,22) in to braking contact. The elements (46,48) act as friction brakes at their contact faces designed to slide along each o over the door movement angle up to the damping stage, and both elements are in spring form. One element forms a leaf spring fixe door part or rod spaced from the fixing point of the other respective element. The rod (24) hinge axis (22) lies above the hinge axis (18) of the door part.

IPC 1-7  
**F24C 15/02**; E05F 1/12; E05F 5/02

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

CPC (source: EP)  
**E05F 1/1276** (2013.01); **E05F 5/02** (2013.01); **F24C 15/023** (2013.01); **E05Y 2201/26** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2900/308** (2013.01)

Citation (search report)

- [A] EP 0565809 A1 19931020 - NUOVA STAR SRL [IT]
- [AD] DE 4105274 A1 19911121 - CMI CERNIERE MECC IND [IT]
- [AD] DE 4108816 A1 19920924 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] EP 0422565 A2 19910417 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] DE 1885551 U 19640109 - MERTEN GEB [DE]

Cited by  
DE102008017778A1; CN107581899A; CN107587806A; DE202007012603U1; CN111479980A; ITMI20120660A1; US10712017B2; WO2009124856A1; US8256064B2; EP1847670B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1055881 A2 20001129**; **EP 1055881 A3 20031001**; DE 19923996 A1 20001130

DOCDB simple family (application)  
**EP 00111209 A 20000524**; DE 19923996 A 19990526