

Title (en)  
SYSTEM FOR THE DAMPED CLOSING OF A SLIDING DOOR LEAF, AS WELL AS A REFRIGERATOR CABINET INCLUDING THIS SYSTEM

Title (de)  
SYSTEM ZUM GEDÄMPFTEM VERSCHLIESSEN EINES FLÜGELS EINER SCHIEBETÜR, SOWIE EIN KÜHLSCHRANK MIT DIESEM SYSTEM

Title (fr)  
SYSTÈME DE FERMETURE AMORTIE D'UN VANTAIL DE PORTE COULISSANTE, AINSI QU'UNE ARMOIRE FRIGORIFIQUE AVEC CE SYSTÈME

Publication  
**EP 4030028 A1 20220720 (EN)**

Application  
**EP 22150996 A 20220111**

Priority  
IT 202100000515 A 20210113

Abstract (en)  
A system for the damped closing of an opening (P), comprising: at least one closing element (10); at least one element (20) for guiding the sliding of the at least one closing element (10); means (30) for the elastic return of the at least one closing element (10) from the opening position toward the closing position; damping means (40) acting upon the closing of the at least one closing element (10) to counteract the action of the elastic return means (30). The latter include or consist of at least one elongated elastic element (30) having a first fixed end (31) and an opposite second end (32) fixed to the at least one closing element (10).

IPC 8 full level  
**E05F 1/16** (2006.01); **E05F 5/00** (2017.01)

CPC (source: EP)  
**E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/47** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/668** (2013.01); **E05Y 2800/344** (2013.01); **E05Y 2900/204** (2013.01); **E05Y 2900/31** (2013.01)

Citation (applicant)  
US 2016324335 A1 20161110 - TSUI HARVEY [US], et al

Citation (search report)

- [XYI] US 5884361 A 19990323 - RICHARDSON RICHARD J [US], et al
- [XAI] US 5251402 A 19931012 - RICHARDSON RICHARD J [US], et al
- [IJ] CH 711198 A2 20161215 - M A C 'S HOLDING GMBH [DE]
- [YA] EP 2128368 A1 20091202 - MIX SRL [IT]

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 4030028 A1 20220720**; **EP 4030028 B1 20240731**; IT 202100000515 A1 20220713

DOCDB simple family (application)  
**EP 22150996 A 20220111**; IT 202100000515 A 20210113