

Title (en)

VERTICAL DOOR SYSTEM AND REFRIGERATOR CABINET PROVIDED WITH SUCH A VERTICAL DOOR SYSTEM

Title (de)

VERTIKALES TÜRSYSTEM UND KÜHLSCHRANK MIT SOLCH EINEM VERTIKALEN TÜRSYSTEM

Title (fr)

SYSTÈME DE PORTE VERTICALE ET ARMOIRE DE RÉFRIGÉRATEUR ÉQUIPÉE D'UN TEL SYSTÈME DE PORTE VERTICALE

Publication

**EP 4151934 A1 20230322 (EN)**

Application

**EP 21197322 A 20210917**

Priority

EP 21197322 A 20210917

Abstract (en)

Vertical door system comprising a door (1) attached to a frame (2) by means of an upper hinge (H1) provided at an upper corner of the door (1) and of a lower hinge (H2) provided at a lower corner of the door (1), the upper (H1) and lower (H2) hinges allowing the door (1) to move, in respect to the frame (2), between a first extreme position and a second extreme position, a first plate (3) fixed to the upper hinge (H1) by means of a safety screw (4) and of a fixing screw (F), and provided with a stopper (5), a second plate (6) fixed to the upper corner of the door (1) and provided with a nose (7) positioned such that the nose (7) is in contact with the stopper (5) only when the door (1) is in its second extreme position, the safety screw (4) has a shearing resistance such that the safety screw (4) breaks when a force applied by the nose (7) to the stopper (5) exceeds a threshold value.

IPC 8 full level

**F25D 23/02** (2006.01); **F25D 23/08** (2006.01)

CPC (source: EP)

**F25D 23/028** (2013.01); **F25D 23/087** (2013.01); **F25D 2323/021** (2013.01); **F25D 2323/024** (2013.01)

Citation (applicant)

- EP 2908073 A1 20150819 - CISAPLAST S P A [IT]
- US 2019059613 A1 20190228 - ARTWOHL PAUL J [US], et al

Citation (search report)

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- [Y] US 4288135 A 19810908 - BUCHSER WILLIAM J, et al
- [XI] EP 3578746 A2 20191211 - VIKING RANGE LLC [US]

Cited by

EP4261375A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4151934 A1 20230322**

DOCDB simple family (application)

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