

Title (en)

Safety device for a closing element of a washing, thermal-disinfection, sterilization, preservation, refrigeration, heating machine, or suchlike

Title (de)

Sicherheitsvorrichtung für das Sperrteil von Wasch-, Hitzedesinfektions-, Sterilisierungs-, Konservierungs-, Tiefkühl- und Heizmaschinen o.ä.

Title (fr)

Dispositif de sécurité pour élément de fermeture d'une machine lavage, de désinfection thermique, de stérilisation, de préservation, de réfrigération, de chauffage ou similaire

Publication

EP 1949843 B1 20130710 (EN)

Application

EP 08150682 A 20080125

Priority

IT UD20070017 A 20070129

Abstract (en)

[origin: EP1949843A1] A safety device (10) for a closing element (12) of a machine (11) with a frame (13) that defines an internal compartment (14) provided frontally with an entrance (15) selectively closed by the closing element (12), and moved by at least one trolley, which is able to be selectively moved with respect to the frame (13), along a vertical axis (Y), comprises elastic means (20), interposed between the closing element (12) and the trolley, and able to exert on the closing element (12) a force in the opposite direction to the gravity force of the closing element (12).

IPC 8 full level

A47L 15/42 (2006.01); **D06F 39/14** (2006.01); **E05D 13/00** (2006.01)

CPC (source: EP US)

A47L 15/0081 (2013.01 - EP); **A47L 15/4261** (2013.01 - EP); **D06F 37/42** (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **E05D 13/123** (2013.01 - EP); **E05F 15/41** (2015.01 - EP); **E05F 15/665** (2015.01 - EP); **E05F 15/40** (2015.01 - EP); **E05Y 2201/654** (2013.01 - EP); **E05Y 2400/552** (2013.01 - EP); **E05Y 2900/304** (2013.01 - EP); **E05Y 2900/312** (2013.01 - EP)

Cited by

EP3075934A1; EP3202300A1; US9457384B2; EP3128068A1; GB2549575A; EP3871630A1; CN108643752A; EP4193900A1; DE102014111718B3; US2016045939A1; US10094152B2; WO2021032897A1; EP2604296A1; WO2023104427A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1949843 A1 20080730; **EP 1949843 B1 20130710**; IT UD20070017 A1 20080730

DOCDB simple family (application)

EP 08150682 A 20080125; IT UD20070017 A 20070129