

Title (en)

Door lock, in particular for commercial cleaning and disinfection machines

Title (de)

Türverschluss für insbesondere gewerbliche Reinigungs- und/oder Desinfektionsautomaten

Title (fr)

Verrou de porte pour automates de nettoyage et/ou désinfection notamment industriels

Publication

EP 2578134 A3 20160127 (DE)

Application

EP 12401200 A 20121001

Priority

- EP 11401607 A 20111005
- EP 12401200 A 20121001

Abstract (en)

[origin: EP2578134A2] The door latch (9) has a clamp (3) which is arranged within a pivoted formed cabinet door (2), and cooperated with a clamp trap. The clamp trap is arranged at one end of a toothed rack (5) which is moved by a motor (6). A friction clutch (7) is arranged between the motor and the rack. The friction clutch is co-operated with a release mechanism such that the cabinet door is guided manually to a free-running position. An independent claim is included for cleaning and disinfecting machine.

IPC 8 full level

A47L 15/42 (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP)

A47L 15/4259 (2013.01); **E05B 17/0029** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0026** (2013.01); **E05C 5/00** (2013.01)

Citation (search report)

- [AD] DE 102005028448 A1 20061221 - MIELE & CIE [DE]
- [A] EP 2130476 A2 20091209 - MIELE & CIE [DE]
- [A] WO 2009146874 A1 20091210 - MIELE & CIE [DE], et al
- [A] US 3854310 A 19741217 - PAULL S, et al
- [A] US 2007296224 A1 20071227 - COURTER HARRY IVAN [US]

Cited by

CN106012442A; CN113463977A; CN108742416A; US2023084696A1; EP4174261A1; CN106255790A; KR20160148624A; US10844635B2; EP3859106A1; CN113197536A; US2021238888A1; DE102020122689B3; WO2014184018A1; WO2015167716A1

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)

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DOCDB simple family (application)

EP 12401200 A 20121001