

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 B1 20171213 (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)

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

DOCDB simple family (publication)

EP 2578134 A2 20130410; EP 2578134 A3 20160127; EP 2578134 B1 20171213

DOCDB simple family (application)

EP 12401200 A 20121001