

Title (en)

AUTOMATIC OPENING MODULE FOR A DOOR OF A HOUSEHOLD APPLIANCE

Title (de)

AUTOMATISCHES ÖFFNUNGSMODUL FÜR EINE TÜR EINES HAUSHALTSGERÄTS

Title (fr)

MODULE D'OUVERTURE AUTOMATIQUE POUR UNE PORTE D'UN APPAREIL MÉNAGER

Publication

**EP 4339353 A1 20240320 (EN)**

Application

**EP 23198038 A 20230918**

Priority

- EP 22196421 A 20220919
- EP 23172899 A 20230511

Abstract (en)

The present invention provides for an automatic opening module for a door of a household appliance, comprising: a housing; a transmission system, and a lever engaging pin, wherein said transmission system and said lever engaging pin are received within said housing; and wherein a first part of said transmission system is operably coupled to said lever engaging pin; and wherein a second part of said transmission system is configured to operably engage with an actuator of a door locking module such that actuation of the actuator causes the transmission system to move the lever engaging pin between a first, locked, position and a second, unlocked, position.

IPC 8 full level

**D06F 39/14** (2006.01); **A47L 15/42** (2006.01); **E05B 1/00** (2006.01)

CPC (source: EP)

**D06F 39/14** (2013.01); **E05B 47/026** (2013.01); **E05F 15/60** (2015.01); **E05B 17/0025** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0025** (2013.01); **E05B 2047/003** (2013.01); **E05B 2047/0069** (2013.01); **E05B 2047/0086** (2013.01)

Citation (applicant)

EP 3483331 B1 20220105 - ILLINOIS TOOL WORKS [US]

Citation (search report)

- [X] EP 3483331 B1 20220105 - ILLINOIS TOOL WORKS [US]
- [A] EP 3859106 A1 20210804 - BITRON SPA [IT]
- [A] WO 2019147821 A1 20190801 - ILLINOIS TOOL WORKS [US]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4339353 A1 20240320**

DOCDB simple family (application)

**EP 23198038 A 20230918**