

Title (en)

Interlock device for the closing door of household appliances

Title (de)

Verriegelungsvorrichtung zum Schließen der Tür eines Haushaltsgeräts

Title (fr)

Dispositif de verrouillage pour la porte de fermeture d'appareils électroménagers

Publication

**EP 3037579 A1 20160629 (EN)**

Application

**EP 14199608 A 20141222**

Priority

EP 14199608 A 20141222

Abstract (en)

The present invention relates to an interlock device for the closing door of household appliances, particularly for washing machines and/or tumble dryers, of the kind suitable to detect closed and locked condition of the door, suitable to detect a condition of disassembling of the cover which contains and retains the interlock wheel for retaining the door catch and to avoid the possibility that the appliance to which it is associated is switched on in case of disassembling of the interlock wheel.

IPC 8 full level

**A47L 15/42** (2006.01); **D06F 37/42** (2006.01)

CPC (source: CN EP US)

**D06F 37/42** (2013.01 - CN EP US); **A47L 15/4259** (2013.01 - CN)

Citation (applicant)

WO 2013011528 A1 20130124 - ELETTRROTECNICA ROLD SRL [IT], et al

Citation (search report)

- [AD] WO 2013011528 A1 20130124 - ELETTRROTECNICA ROLD SRL [IT], et al
- [A] US 2006101869 A1 20060518 - OSVATIC MICHAEL S [US]
- [A] WO 2013109585 A2 20130725 - ILLINOIS TOOL WORKS [US]
- [A] EP 2159316 A1 20100303 - ELECTROLUX HOME PROD CORP [BE]

Cited by

CN108742416A; US2020354993A1; US11624209B2

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)

**EP 3037579 A1 20160629; EP 3037579 B1 20180328**; CN 107109758 A 20170829; CN 107109758 B 20200522; PL 3037579 T3 20181031; TR 201809086 T4 20180723; WO 2016102565 A1 20160630

DOCDB simple family (application)

**EP 14199608 A 20141222**; CN 201580070067 A 20151222; EP 2015080975 W 20151222; PL 14199608 T 20141222; TR 201809086 T 20141222