

Title (en)

MICROWAVE OVEN HAVING AN EXTRA-LOW-VOLTAGE SAFETY MECHANISM

Title (de)

MIKROWELLENOFEN MIT EINEM SICHERHEITSMECHANISMUS MIT EXTREM NIEDRIGER SPANNUNG

Title (fr)

FOUR À MICRO-ONDES DOTÉ D'UN MÉCANISME DE SÉCURITÉ EXTRA-BASSE TENSION

Publication

**EP 3646671 A1 20200506 (EN)**

Application

**EP 17734975 A 20170626**

Priority

CH 2017000065 W 20170626

Abstract (en)

[origin: WO2019000108A1] A microwave oven comprises a microwave generator (8) having several semiconductor switches (T1 - T6) driven by a driver circuit (14). Power for the driver circuit (14) is fed through a series of safety switches (S1 - S3) mechanically coupled to the door (2) of the oven. This allows using extra-low-voltage and low-current switches while still providing a reliable means for switching off the oven when its door (2) is being opened.

IPC 8 full level

**H05B 6/64** (2006.01)

CPC (source: EP)

**H05B 6/6417** (2013.01)

Citation (search report)

See references of WO 2019000108A1

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)

**WO 2019000108 A1 20190103**; EP 3646671 A1 20200506; EP 3646671 B1 20230405

DOCDB simple family (application)

**CH 2017000065 W 20170626**; EP 17734975 A 20170626