

Title (en)

MICROWAVE OVEN HAVING AN EXTRA-LOW-VOLTAGE SAFETY MECHANISM

Title (de)

MIKROWELLENBACKOFEN MIT EXTRA-NIEDERSpannungs-Sicherheitsmechanismus

Title (fr)

FOUR MICRO-ONDES AVEC SYSTÈME DE SÉCURITÉ TRÈS BASSE TENSION

Publication

**EP 3646671 B1 20230405 (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 (examination)

WO 0149079 A1 20010705 - SAMSUNG ELECTRONICS CO LTD [KR], et al

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)

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

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