

Title (en)

Oven with mechanism for extracting a tray

Title (de)

Garofen mit Mechanismus zum Herausziehen eines Bleches

Title (fr)

Four de cuisson avec mécanisme pour sortir une plaque de four

Publication

**EP 1865264 A1 20071212 (EN)**

Application

**EP 06380157 A 20060609**

Priority

EP 06380157 A 20060609

Abstract (en)

A domestic oven with a mechanism for extracting a tray from the oven, said oven (1) comprising an internal enclosure (10) into which can be introduced at least one tray (4), and a door (11) that insulates said internal enclosure (10) from the exterior when it is closed. The mechanism comprises an extraction support (5a,5b), disposing of a surface of guidance (51) of said extraction support (5a,5b) with an inclination of a specific angle ( $\emptyset$ ). Said mechanism also comprises a tray support (6a,6b) on which is disposed the tray (4) and which is adapted to support and slide in relation to the surface of guidance (51). When the door (11) is opened, due to the inclination of said surface of guidance (51), said tray support (6a,6b) can slide by gravity towards the exterior of said oven (1) thereby moving said tray (4) in conjunction with said tray support (6a,6b).

IPC 8 full level

**F24C 15/16** (2006.01)

CPC (source: EP)

**F24C 15/162** (2013.01)

Citation (search report)

- [A] DE 7507245 U 19750807
- [A] EP 0931985 A2 19990728 - FAGOR S COOP LTDA [ES]
- [A] US 2006065265 A1 20060330 - ERDMANN KLAUS [US], et al
- [A] US 2006102015 A1 20060518 - BAKER EDWARD [US], et al
- [A] EP 1420210 A1 20040519 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by

DE102008009175B4; EP2236941A1; FR3084927A1; CN106419790A; DE102017106104A1; CN112881135A; CN102362123A; AU2010230594B2; EP2960584A1; CN105212769A; US9939160B2; WO2010112133A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1865264 A1 20071212; EP 1865264 B1 20090527**; AT E432447 T1 20090615; DE 602006006984 D1 20090709; EP 2112436 A1 20091028; EP 2112436 B1 20150812; ES 2324426 T3 20090806; ES 2547115 T3 20151001; PL 1865264 T3 20091030

DOCDB simple family (application)

**EP 06380157 A 20060609**; AT 06380157 T 20060609; DE 602006006984 T 20060609; EP 09157309 A 20060609; ES 06380157 T 20060609; ES 09157309 T 20060609; PL 06380157 T 20060609