

Title (en)
OVEN DOOR FOR A COOKING OVEN

Title (de)
OFENTÜR FÜR EINEN BACKOFEN

Title (fr)
PORTE DE FOUR DE CUISSON

Publication
EP 3772619 A1 20210210 (EN)

Application
EP 19191091 A 20190809

Priority
EP 19191091 A 20190809

Abstract (en)
The present invention relates to an oven door (10) for a cooking oven (20), in particular for a domestic cooking oven (20). The oven door (10) includes an outer glass panel (12) and an inner glass panel (14). The oven door (10) includes at least one intermediate glass panel (16, 18) arranged between the outer glass panel (12) and the inner glass panel (14). The lateral sides of the glass panels (12, 14, 16, 18) are directly or indirectly connected to each other. Air channels (24, 26, 28) are formed between the glass panels (12, 14, 16, 18). The oven door (10) includes at least one air-guiding element (30) arranged at the inner glass panel (14). The air-guiding element (30) includes at least one sheet element or strip extending into the interior space of the oven door (10), so that a cooling air stream (42) is deflected away from the inner glass panel (14). The level of the at least one sheet element or strip is adapted to the level of a top wall of an oven cavity (22) of the corresponding cooking oven (22) in a closed state of the oven door (10).

IPC 8 full level
F24C 15/00 (2006.01); **F24C 15/04** (2006.01)

CPC (source: EP)
F24C 15/006 (2013.01); **F24C 15/04** (2013.01)

Citation (search report)
• [XAI] EP 2416072 A1 20120208 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [XAY] US 2009194090 A1 20090806 - KIM KYOUNG HO [KR], et al
• [Y] EP 0209115 A1 19870121 - ZANUSSI ELETTRODOMESTICI [IT]
• [A] DE 9409895 U1 19940908 - WIESHEU WIWA GMBH [DE]

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 3772619 A1 20210210; WO 2021028200 A1 20210218

DOCDB simple family (application)
EP 19191091 A 20190809; EP 2020071065 W 20200726