

Title (en)
COOLING SYSTEM FOR OVEN

Title (de)
KÜHLSYSTEM FÜR EINEN OFEN

Title (fr)
SYSTÈME DE REFROIDISSEMENT POUR FOUR

Publication
EP 3472521 A1 20190424 (EN)

Application
EP 17812334 A 20170616

Priority
• BR 102016014187 A 20160617
• BR 2017050154 W 20170616

Abstract (en)
[origin: WO2017214695A1] The present invention belongs to the technological field of household cooking appliances and refers to a cooling system for oven, in which the oven comprises at least one front control panel (4), a cooking chamber (V) below the front control panel (4) and an opening and closing door (3) of the cooking chamber (V). The system comprises: an air inlet (2); an air supply channel (7) fluidically connected to the air inlet (2); an air outlet (1); an exhaust channel (6) fluidically connected to the air outlet (1); an air circulation device (5) disposed between the air supply channel (7) and the exhaust channel (6), being the air circulation device (5) capable of imposing an air flow from the air supply channel (7) to the exhaust channel (6); and the air outlet (1) is disposed above the front control panel (4). The air inlet (2) is disposed at the front portion of the oven, in the bottom region of the front control panel (4) and above the door (3) and the air supply channel (7) being disposed below the exhaust channel (6), wherein between the supply channel (7) and the exhaust channel (8) it is disposed a dividing wall (9).

IPC 8 full level
F24C 15/32 (2006.01); **A21B 3/04** (2006.01)

CPC (source: EP)
F24C 15/006 (2013.01); **F24C 15/2007** (2013.01)

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 2017214695 A1 20171221; BR 102016014187 A2 20180102; BR 102016014187 A8 20221011; BR 102016014187 B1 20221116;
EP 3472521 A1 20190424; EP 3472521 A4 20200115

DOCDB simple family (application)
BR 2017050154 W 20170616; BR 102016014187 A 20160617; EP 17812334 A 20170616