

Title (en)
CAVITY HAVING A NON-STICK AND/OR NON-WETTING COATING, COOKING APPLIANCE COMPRISING SUCH A CAVITY AND METHOD FOR MANUFACTURING A CAVITY

Title (de)
HOHLRAUM MIT EINER ANTIHAFT- UND/ODER NICHT BENETZENDEN BESCHICHTUNG, KOCHGERÄT MIT EINEM SOLCHEN HOHLRAUM UND VERFAHREN ZUR HERSTELLUNG EINES HOHLRAUMS

Title (fr)
CAVITÉ COMPORTANT UN REVÊTEMENT ANTI-ADHÉSIF ET/OU NON MOUILLANT, APPAREIL DE CUISSON COMPORTANT UNE TELLE CAVITÉ ET PROCÉDÉ DE FABRICATION D'UNE CAVITÉ

Publication
EP 3722674 A1 20201014 (EN)

Application
EP 19168020 A 20190409

Priority
EP 19168020 A 20190409

Abstract (en)
The present invention relates to a cavity (4) for a cooking appliance (2), in particular an oven cavity (4) for a domestic oven, comprising at least one cavity wall (8a, 8b, 8c, 8d) defining a cooking chamber (6) for cooking foodstuff and having an inner surface (10) facing towards the cooking chamber (6), a central opening for placing foodstuff into the cooking chamber (6), wherein the inner surface (10) is at least partially provided with a non-stick and/or non-wetting coating (16) comprising at least a first layer (18), wherein the first layer (18) is obtained by a sol-gel process from a first composition comprising a silica sol and a silane and/or wherein the cavity (4) further comprises a heat reflection shield system (26) having at least one heat reflection shield (28) to reduce the heat radiation produced by heating elements (30) being arranged within the cavity (4) against the non-stick and/or non-wetting coating (16). The invention further relates to a cooking appliance (2), in particular a domestic oven comprising such a cavity (4) and a method for manufacturing such a cavity (4).

IPC 8 full level
F24C 15/00 (2006.01); **F24C 15/36** (2006.01)

CPC (source: EP)
F24C 15/005 (2013.01); **F24C 15/36** (2013.01)

Citation (applicant)
EP 2177580 A1 20100421 - LOOSER HOLDING AG [CH]

Citation (search report)
• [YA] EP 3399240 A1 20181107 - SAMSUNG ELECTRONICS CO LTD [KR]
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EP4216670A1; WO2023138861A1

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 3722674 A1 20201014

DOCDB simple family (application)
EP 19168020 A 20190409