

Title (en)
COMBINATION APPLIANCE AND METHOD FOR ASSEMBLING THE SAME

Title (de)
KOMBINATIONSGERÄT UND VERFAHREN ZU DESSEN ZUSAMMENBAU

Title (fr)
APPAREIL COMBINÉ ET SON PROCÉDÉ D'ASSEMBLAGE

Publication
EP 4043798 A1 20220817 (EN)

Application
EP 21157488 A 20210216

Priority
EP 21157488 A 20210216

Abstract (en)
The present invention concerns a combination appliance (10) comprising a cooking hob (12) and an extraction device (14). The cooking hob (12) is covered by a top plate or a worktop (22) having an opening (24) or a recess formed therein. The extraction device (14) is arranged below the top plate or worktop (22) and comprises at least one fan (36) for sucking air from an area above the cooking hob (12) through the opening (24) or recess of the top plate or worktop (22) and for conveying the air through an air channel of the extraction device (14). The air channel of the extraction device (14) includes a channel section (58), which is arranged downstream of the opening (24) or recess and upstream of the fan (36). The channel section (58) is arranged adjacent to components of the cooking hob (12), the channel section (58) thereby forming a barrier for preventing the conveyed air to get in contact with the components of the cooking hob (12). According to the invention, the channel section (58) comprises an upper portion and a lower portion. The upper portion abuts a surface zone of the top plate or worktop (22). The lower portion abuts and/or is supported by a wall section of the cooking hob (12). Further disclosed is a method for assembling a combination appliance (10) comprising a cooking hob (12) and an extraction device (14).

IPC 8 full level
F24C 15/20 (2006.01)

CPC (source: EP)
F24C 15/2042 (2013.01)

Citation (search report)
• [X] DE 102017121367 A1 20190314 - BERBEL ABLUFTTECHNIK GMBH [DE]
• [X] US 2018229171 A1 20180816 - ADAM JULIEN [FR], et al
• [X] DE 102018130828 A1 20200604 - MIELE & CIE [DE]
• [A] US 5209217 A 19930511 - BEACH STANLEY H [US], et al
• [A] DE 202009008286 U1 20090924 - BRUCKBAUER WILHELM [DE]
• [X] DE 102019104069 A1 20200820 - MIELE & CIE [DE]
• [X] DE 102013206748 A1 20131017 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] EP 3667178 A1 20200617 - BSH HAUSGERAETE GMBH [DE]
• [X] US 2007062513 A1 20070322 - GAGAS JOHN M [US]
• [A] DE 202019106084 U1 20191115 - ELICA SPA [IT]
• [X] US 2674991 A 19540413 - SCHAEFER HAROLD W

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 4043798 A1 20220817; AU 2022222183 A1 20230803; WO 2022175089 A1 20220825

DOCDB simple family (application)
EP 21157488 A 20210216; AU 2022222183 A 20220202; EP 2022052473 W 20220202