

Title (en)
COOKING APPLIANCE

Title (de)
GARGERÄT

Title (fr)
APPAREIL DE CUISSON

Publication
EP 4317797 A1 20240207 (EN)

Application
EP 23189244 A 20230802

Priority
KR 20220096310 A 20220802

Abstract (en)
Disclosure relates to a cooking appliance. The cooking appliance may include a casing (100, 200) having a cavity (S1) and an electric chamber (S2) therein, and a door (300) disposed in front of the casing (100, 200) to open and close the cavity (S1). A cooling fan module (410) may be disposed at the electric chamber (S2), and may suck external air and discharge the air to an exhaust port (282) in front of the casing (100, 200). A bottom spacer (215) protrudes on a lower portion of the casing (100, 200), and the bottom spacer (215) spaces a lower surface of the casing (100, 200) and a seating surface on which the casing (100, 200) is seated, from each other to form an intake port (G1). At this point, a first air flow path (AC1) is formed at the lower portion of the casing (100, 200) so that air introduced through the intake port (G1) flows to a rear space of the casing (100, 200), and a second air flow path (AC2) connecting the first air flow path (AC1) and the electric chamber to each other may be formed at the rear space of the casing (100, 200). Through the intake port (G1), air introduced from the front space of the cooking appliance may flow between the cooking appliance and the kitchen furniture. Therefore, even when the cooking appliance is installed in a built-in manner, cooling of the cooking appliance may be efficiently performed.

IPC 8 full level
F24C 15/00 (2006.01); **F24C 7/06** (2006.01)

CPC (source: EP KR US)
F24C 7/006 (2013.01 - KR); **F24C 7/067** (2013.01 - KR); **F24C 7/085** (2013.01 - KR); **F24C 15/003** (2013.01 - KR);
F24C 15/006 (2013.01 - EP KR US); **F24C 15/02** (2013.01 - KR); **F24C 15/022** (2013.01 - EP); **F24C 15/04** (2013.01 - US);
F24C 15/08 (2013.01 - KR); **F24C 15/327** (2013.01 - KR); **F24C 7/067** (2013.01 - EP); **F24C 15/008** (2013.01 - US)

Citation (applicant)
• KR 20220096310 A 20220707 - LG DISPLAY CO LTD [KR]
• KR 102210370 B1 20210201
• KR 102211731 B1 20210203

Citation (search report)
• [XAYI] EP 1712846 A1 20061018 - LG ELECTRONICS INC [KR]
• [X] EP 2677241 A1 20131225 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] US 2015241069 A1 20150827 - BRANT RONALD GENE [US], et al
• [Y] US 2017082296 A1 20170323 - JEONG SANG-JIN [KR], et al
• [Y] EP 3034946 A2 20160622 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] US 4108139 A 19780822 - GILLIOM JOHN W, et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4317797 A1 20240207; KR 20240018272 A 20240213; US 2024044499 A1 20240208

DOCDB simple family (application)
EP 23189244 A 20230802; KR 20220096310 A 20220802; US 202318229275 A 20230802