

Title (en)
COOKING APPARATUS WITH FILTERING ASSEMBLY

Title (de)
KOCHVORRICHTUNG MIT FILTRIERUNGSANORDNUNG

Title (fr)
APPAREIL DE CUISSON COMPRENANT UN ENSEMBLE DE FILTRAGE

Publication
EP 3473936 A1 20190424 (EN)

Application
EP 17197051 A 20171018

Priority
EP 17197051 A 20171018

Abstract (en)
A cooking apparatus (4) with filtering assembly (3) includes a base (41) having a cooking area (42) disposed thereon, an intake cover (43) facing the cooking area (42), a filtering assembly (3) and an exhaust fan (44) disposed within the base (41) respectively. The filtering assembly (3) includes a collecting case (31) having a room (31A) with a large space and a filter (32) disposed in the room (31A) for dividing the collecting case (31) into a discharge area (311) and a filtering area (312), thereby allowing the extensively-disposed filter (32) to increase an area available of filtering dirt and oil in fumes and decrease the wind resistance. A collecting trough (313) is formed on a bottom of the collecting case (31) for gathering the dirt and oil to prevent the filter (32) from getting obstructed. The discharge area (311) accommodates the filtered fumes temporarily and releases the filtered fumes gradually to reduce air extrusion. Therefore, the filtering efficiency is increased.

IPC 8 full level
F24C 15/20 (2006.01)

CPC (source: EP)
F24C 15/2035 (2013.01); **F24C 15/2042** (2013.01)

Citation (search report)
• [XYI] US 3587555 A 19710628 - CEROLA JOSEPH J
• [XYI] US 2012247345 A1 20121004 - CHIANG TING-FANG [TW]
• [XYI] US 2007062513 A1 20070322 - GAGAS JOHN M [US]
• [Y] DE 202006003979 U1 20060706 - FISCHENICH KLAUS [DE]
• [Y] WO 2008061012 A1 20080522 - ILLINOIS TOOL WORKS [US], 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3473936 A1 20190424

DOCDB simple family (application)
EP 17197051 A 20171018