

Title (en)
VENTILATION SYSTEM

Title (de)
BELÜFTUNGSSYSTEM

Title (fr)
SYSTÈME DE VENTILATION

Publication
EP 3060854 A1 20160831 (EN)

Application
EP 14790274 A 20141023

Priority
• GB 201318751 A 20131023
• GB 2014053160 W 20141023

Abstract (en)
[origin: GB2519541A] A ventilation system for cleaning contaminated heated air generated by cooking appliances 22 in a kitchen or food preparation area 20 comprising an inlet 52 for contaminated heated air in the food preparation area 20; a treatment part 200 for cleaning the contaminated heated air, and an outlet for the heated air which is used to heat the building in which the food preparation area is located. The heated air may be used to heat a dining area and there may be means for cooling the air or a fan (210, Fig. 2) for creating a flow from inlet to outlet. The air can be cleaned by filtration, preferably with a series of filters (240, Fig.2), and can also have odours removed from it by activated charcoal (260, Fig.2). A monitoring system 250 may monitor the state of the filters using transducers to measure the pressure drop across the filters, and can control the speed of the fan or send a wireless alert depending on the condition of the filters.

IPC 8 full level
F24C 15/20 (2006.01)

CPC (source: EP GB US)
F24C 15/20 (2013.01 - GB); **F24C 15/2035** (2013.01 - EP US); **F24C 15/2042** (2013.01 - US); **F24F 5/0096** (2013.01 - GB);
F24F 8/158 (2021.01 - GB); **F24F 11/39** (2017.12 - GB)

Citation (search report)
See references of WO 2015059476A1

Citation (examination)
• US 6344074 B1 20020205 - WARD JOHN M [US], et al
• US 2008045132 A1 20080221 - LIVCHAK ANDREY V [US], et al

Cited by
CN110657526A

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)
GB 201318751 D0 20131204; **GB 2519541 A 20150429**; **GB 2519541 B 20170524**; EP 3060854 A1 20160831; US 2016281996 A1 20160929;
WO 2015059476 A1 20150430

DOCDB simple family (application)
GB 201318751 A 20131023; EP 14790274 A 20141023; GB 2014053160 W 20141023; US 201415031374 A 20141023