

Title (en)

Pollutant removing device and dual-air curtain range hood using the device

Title (de)

Schadstoffentfernungsvorrichtung und Dualluft-Vorhangsbereichkappe mit der Vorrichtung

Title (fr)

Dispositif de suppression de polluants et hotte à rideau double utilisant le dispositif

Publication

**EP 2138771 A1 20091230 (EN)**

Application

**EP 08011662 A 20080627**

Priority

EP 08011662 A 20080627

Abstract (en)

A pollutant removing device includes first and second air blow devices respectively located at front and rear ends of a pollutant generation source or an oven and respectively including a first elongate air blow slot and a second elongate air blow slot so as to blow air upward. A suction device is located above a counter top to which the pollutant generation source or the oven is installed. The suction device includes at least one elongate suction opening which is connected with a suction machine. The at least one elongate suction opening is parallel to the first and the second elongate air blow slots. Two air curtains are formed between the at least one elongate suction opening and the first and second elongate air blow slots. The gas, vapor, or particulate type pollutants located between the two air curtains is sucked via the at least one elongate suction opening.

IPC 8 full level

**F24C 15/20** (2006.01); **F24F 9/00** (2006.01)

CPC (source: EP)

**F24C 15/2028** (2013.01); **F24F 9/00** (2013.01)

Citation (applicant)

- WO 9822755 A1 19980528 - KIM BYONG DUK [KR]
- FR 2506432 A1 19821126 - NOE JACQUES [FR]
- DE 202007012095 U1 20071122 - HORBER THILO [DE]
- DE 20205642 U1 20020725 - MAIER MAX [DE]

Citation (search report)

- [XY] WO 9822755 A1 19980528 - KIM BYONG DUK [KR]
- [XY] FR 2506432 A1 19821126 - NOE JACQUES [FR]
- [XY] DE 202007012095 U1 20071122 - HORBER THILO [DE]
- [X] DE 20205642 U1 20020725 - MAIER MAX [DE]
- [Y] EP 1696180 A2 20060830 - WALDNER LABOR & SCHULEINRICHTUNGEN GMBH [DE]
- [Y] JP S52138269 A 19771118 - DANREI KOUGIYOU KK
- [Y] US 2004123860 A1 20040701 - LIN JEROME [TW]
- [Y] DE 20100535 U1 20010329 - RAHMER JUERGEN [DE]
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CN103411779A; CN110631069A; JP2021167692A; WO2019239421A1; WO2024105630A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2138771 A1 20091230; EP 2138771 B1 20100728**; AT E475845 T1 20100815; DE 602008001977 D1 20100909

DOCDB simple family (application)

**EP 08011662 A 20080627**; AT 08011662 T 20080627; DE 602008001977 T 20080627