

Title (en)
Direct drive ventilation cooker hood

Title (de)
Abzugshaube mit Direktantriebsbelüftung

Title (fr)
Hotte d'extraction comprenant un ventilateur à entraînement direct

Publication
EP 2607796 A1 20130626 (EN)

Application
EP 11195366 A 20111222

Priority
EP 11195366 A 20111222

Abstract (en)
A kitchen extractor hood which comprises an outlet that is located usually on the upper part of the hood shield casing. The outlet is connected to a centrifugal blower located inside the hood shield casing (H). The primary function of the hood is to expel cooking fumes from the household kitchen by the air pressure generated by the blower, via the outlet into an appropriate ducting system. The invention eliminates the need for a centrifugal blower by mounting a motor driven propeller (M) in the outlet. When the motor is running, the propeller creates air pressure that pushes cooking fumes collected by hood shield casing (H) through the outlet and into the duct system. The result is a reduction of components needed to manufacture the hood, higher efficiency due to the axially direct flow of the cooking fumes from the hood shield casing through the outlet and into the duct system. Without a centrifugal blower system inside, the hood shield casing (H) can have more designs possibilities than those limited by the dimensions of the centrifugal blower.

IPC 8 full level
F24C 15/20 (2006.01)

CPC (source: EP)
F24C 15/20 (2013.01)

Citation (search report)

- [X] EP 1070920 A1 20010124 - L N 2 S R L [IT]
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- [X] US 3064551 A 19621120 - STALKER JAMES E
- [X] DE 8604420 U1 19860403
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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)
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