

Title (en)

AN EXHAUST HOOD FOR DETECTING THE COOKING DEVICE TYPE

Title (de)

DUNSTABZUGSHAUBE ZUR ERFASSUNG DES GÄRGERÄTETYPUS

Title (fr)

HOTTE D'ÉVACUATION POUR DÉTECTER LE TYPE DE DISPOSITIF DE CUISSON

Publication

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Application

EP 19779420 A 20190924

Priority

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- EP 2019075600 W 20190924

Abstract (en)

[origin: WO2020078669A1] The present invention relates to an exhaust hood (1), which is positioned above cooking devices (8) such as cooker, oven, etc., comprising a body (2); an exhaust duct (3) which is connected to the chimney opening to the outer environment; one or more than one fan (4) which is mounted into the exhaust duct (3) and which provides the suction and discharge of the air to the outer environment; one or more than one temperature sensor (6) which is disposed onto the body (2), preferably onto the air suction surface of the body (2) facing the cooking device (8) and/or into the exhaust duct (3), and which measures the temperature of the air rising from the cooking device (8) and from the cooking receptacle by heating up during the cooking process; a timer (7) which measures the heating time (T) elapsing until the temperature of the air rising from the cooking device (8) reaches a preset value; and a control unit (5) which calculates the rate of increase in temperature according to the data received from the temperature sensor (6) and the timer (7) and which determines, according to the rate of increase in temperature, the type of the cooking device (8) and determines, according to the type of the cooking device (8), the operation level of the exhaust hood (1) which is defined as the fan (4) motor speed or the number of fans (4) to be activated.

IPC 8 full level

F24C 15/20 (2006.01)

CPC (source: EP)

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Citation (examination)

- US 2013255661 A1 20131003 - YAMANAKA MASANORI [JP], et al
- JP H11281106 A 19991015 - MATSUSHITA SEIKO KK

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