

Title (en)

RANGE HOOD, RANGE HOOD CLEANING DEVICE AND CONTROL METHOD THEREFOR

Title (de)

DUNSTABZUGSHAUBE, REINIGUNGSVORRICHTUNG FÜR DUNSTABZUGSHAUBE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

HOTTE DE CUISINE, DISPOSITIF DE NETTOYAGE DE HOTTE DE CUISINE ET PROCÉDÉ DE COMMANDE CORRESPONDANT

Publication

EP 3499134 A4 20191009 (EN)

Application

EP 18735489 A 20180328

Priority

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- CN 201710978656 A 20171019
- CN 2018080786 W 20180328

Abstract (en)

[origin: EP3499134A1] A range hood, a cleaning device for a range hood and a method for controlling a cleaning device for a range hood are provided. The device includes a water pump configured to suck a cleaning fluid during working; a heating assembly communicated with the water pump; a temperature sensor provided corresponding to the heating assembly and configured to detect a temperature of the heating assembly; a nozzle communicated with the heating assembly; a control module coupled with the water pump, the heating assembly and the temperature sensor, respectively, in which the control module is configured to control the heating assembly to perform heating when the range hood starts a cleaning procedure and control the water pump to work for a first preset period and to stop for a second preset period in each cleaning cycle after a temperature of the heating assembly reaches a first preset temperature for the first time, in which when the water pump works, the cleaning fluid is pumped into the heating assembly and heated in the heating assembly to form a steam mixture with a high temperature and a high pressure, and the steam mixture is sprayed from the nozzle to clean the range hood. With the device of the present disclosure, the effect of cleaning the range hood may be improved.

IPC 8 full level

B08B 3/02 (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP)

F24C 15/2057 (2013.01)

Citation (search report)

- [X] US 2007204855 A1 20070906 - CHENG JASON [US], et al
- [X] CN 105436126 A 20160330 - GUANGDONG MIDEA KITCHEN APPLIANCES MFG CO LTD, et al
- [A] CN 106839044 A 20170613 - GUANGDONG MIDEA KITCHEN APPLIANCES MFG CO LTD, et al
- See references of WO 2019075991A1

Cited by

CN112856508A; CN111189087A

Designated contracting state (EPC)

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