

Title (en)
EXTRACTION DEVICE AND METHOD FOR OPERATING THE SAME

Title (de)
EXTRAKTIONSvorrichtung und Verfahren zu deren Betrieb

Title (fr)
DISPOSITIF D'EXTRACTION ET SON PROCÉDÉ DE FONCTIONNEMENT

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Application
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Abstract (en)
An extraction device (10) for removing heated air from an area above a cooking hob comprises- an inlet opening (12) for an air intake into an interior of the extraction device (10),- a conduction means for conducting the heated air through the interior of the extraction device (10),- a fan (22) for sucking-in the heated air from the area above the cooking hob, the fan (22) being arranged in or being in operative connection with the conduction means, and- an outlet opening (14) for exhausting air.According to the present invention, a cooling down means (40) for cooling down the heated air and a separation means (40) for a separation of fluid particles from the heated air are arranged upstream of the fan (22), wherein the separation of the fluid particles is particularly an effect of the cooling down process.Further, a method for operating an extraction device (10) is disclosed. Air loaded with fluid particles is transported from an inlet opening (12) to an outlet opening (14) of the extraction device (10). According to the invention, the fluid particles are separated from the air by benefitting from a condensation effect.

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Citation (search report)
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