

Title (en)
Kitchen hood dehumidifier device

Title (de)
Küchenabzugshaubenentfeuchter

Title (fr)
Dispositif de déshumificateur de hotte de cuisine

Publication
EP 2110610 A2 20091021 (EN)

Application
EP 09004562 A 20090330

Priority
IT MI20080662 A 20080414

Abstract (en)
A kitchen hood (1) provided with a housing (2) comprising an internal heat exchanger (3) for subtracting a first heat quantity from a gas mixture (4), at a first temperature and with a first degree of humidity, which passes through said internal heat exchanger (3), said internal heat exchanger (3) being connected to compression means (6) connected in their turn to an afterheater heat exchanger (5) for transferring to a gas mixture (7) originating from said internal heat exchanger (3) at a second temperature less than the first temperature and with a second degree of humidity less than the first, a second heat quantity proportional to that recovered in said internal heat exchanger (3), said afterheater heat exchanger (5) being connected to said internal heat exchanger (3) via a throttling device (8), wherein a vector fluid flows through said heat exchangers (3, 5), through said throttling device (8) and through said compression means (6) to perform a thermodynamic cycle with saturated vapour compression.

IPC 8 full level
F24C 15/20 (2006.01)

CPC (source: EP)
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Cited by
ITAN20120110A1

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Designated extension state (EPC)
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