



(11)

EP 2 110 609 A3

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
14.09.2016 Bulletin 2016/37

(51) Int Cl.:
F24C 15/20 (2006.01)

(43) Date of publication A2:
21.10.2009 Bulletin 2009/43

(21) Application number: **09004556.8**

(22) Date of filing: **30.03.2009**

(84) Designated Contracting States:
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 SE SI SK TR
 Designated Extension States:
AL BA RS

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(30) Priority: 14.04.2008 IT MI20080661

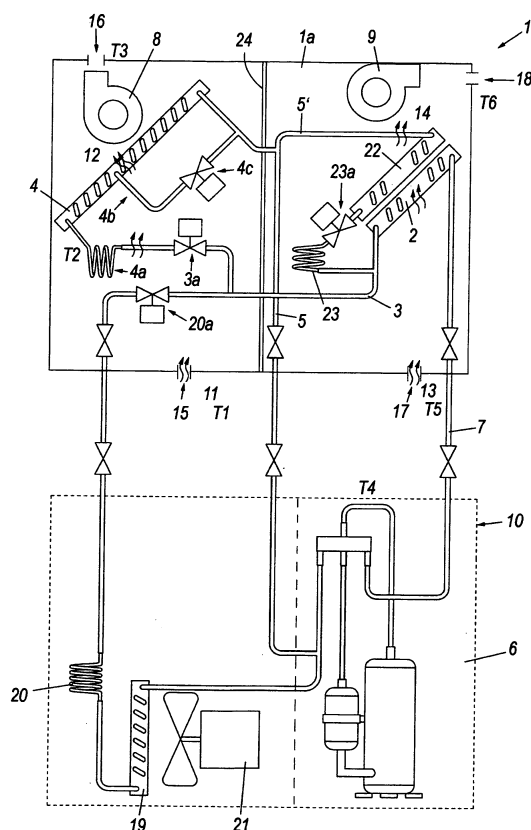
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(54) **Kitchen hood recovering a quantity of heat**

(57) A kitchen hood (1) for recovering a heat quantity contained in a gas mixture, the hood (1) being provided with a housing (1a) which comprises a recovery heat exchanger (4) for subtracting a first heat quantity from said gas mixture (11) withdrawn from above the cooking hob, said recovery heat exchanger (4) being connected to compression means (6). These compression means (6) are connected to an internal heat exchanger (2) for exchanging a second heat quantity, proportional to that recovered in said recovery heat exchanger (4), against a gas mixture (13) originating from the internal environment in which said hood (1) is located, said internal heat exchanger (2) being connected to said recovery heat exchanger (4) via a throttling device (4a). A vector fluid flows through said heat exchangers (2, 4), through said throttling device (4a) and through said compression means (6) to perform a thermodynamic cycle with compression of the saturated vapours of the vector fluid.





EUROPEAN SEARCH REPORT

Application Number
EP 09 00 4556

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F24C
Place of search Munich		Date of completion of the search 2 August 2016	Examiner Merkt, Andreas
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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