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(71) Applicant: **LG Electronics, Inc.**
Seoul 150-721 (KR)

(72) Inventor: **Park, Junghum**
153-802 Seoul (KR)

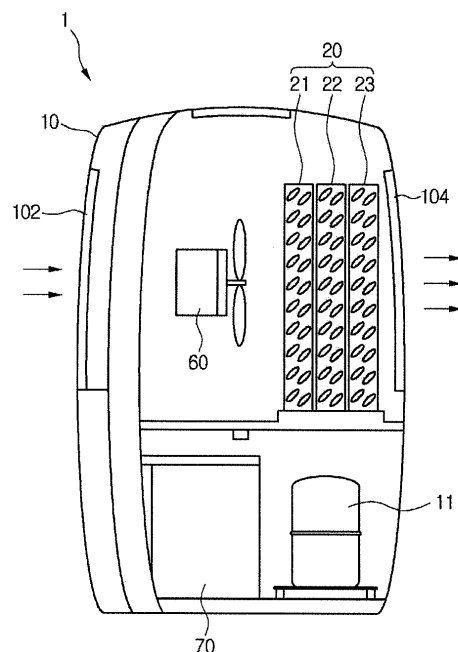
(74) Representative: **Vossius & Partner**
Siebertstrasse 3
81675 München (DE)

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(54) **Air conditioner**

(57) An air conditioner is provided. The air conditioner includes an air conditioner includes: a main body including a suction hole for suctioning air and a discharge hole for discharging the air, a compressor disposed in the main body to compress a refrigerant, a heat exchanger receiving the refrigerant compressed by the compressor, the heat exchanger including a plurality of heat-exchange parts, an expander disposed in the main body to expand the refrigerant, and a valve for controlling a flow of the refrigerant into the heat exchanger. An operation mode of the air conditioner includes a cooling mode and a dehumidifying mode, the plurality of heat-exchange parts are disposed in series with respect to a flow direction of the air to allow the air to successively pass there-through, and a portion of the plurality of heat-exchange parts acts as a condenser, and the other portion of the plurality of heat-exchange parts acts as an evaporator according to the flow of the refrigerant by an operation of the valve.

Fig.1





EUROPEAN SEARCH REPORT

Application Number
EP 14 17 9736

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 January 2015	Examiner Mattias Grenbäck
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	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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