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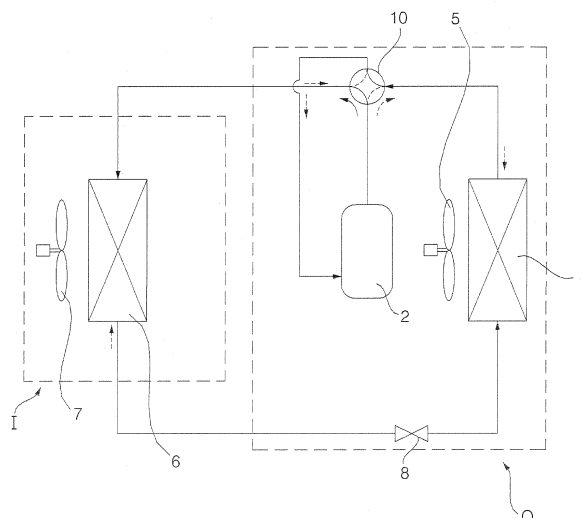
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(54) **Outdoor heat exchanger and heat pump having the same**

(57) A heat pump is provided. The heat pump may include an outdoor heat exchanger that performs a heat exchange operation between refrigerant and outdoor air. The outdoor heat exchanger may include a refrigerant tube that guides refrigerant therethrough, and one or more fins coupled to the refrigerant tube. One face of

each of the fins may be coated with a water repellent coating material and another face thereof may be coated with a hydrophilic coating material. An area coated with the water repellent coating material may be greater than an area coated with the hydrophilic coating material.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 11 18 9705

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 August 2015	Examiner Dezso, Gabor
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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EPC FORM P/0459

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