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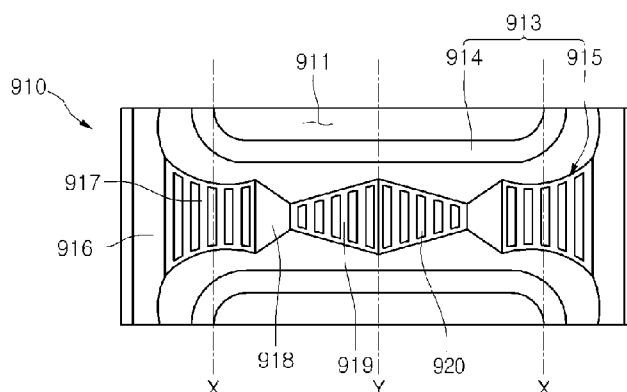
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(57) Abstract: Provided is a heat exchanger, which includes a plurality of tubes and a plurality of fins. The tubes accommodate respective refrigerant passages through which refrigerant flows. The fins having a plate shape are spaced apart from each other, and include a plurality of through holes through which the tubes pass, respectively. The fin is provided with a condensate water guide part guiding discharge of condensate water generated during heat exchange between air and the refrigerant flowing through the tube. Accordingly, adhesion of the tube and the fin is facilitated, the distance between neighboring fins is maintained, and condensate water is efficiently discharged.



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A. CLASSIFICATION OF SUBJECT MATTER*F28F 1/10(2006.01)i, F28F 17/00(2006.01)i, F28F 1/32(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F28F 1/10; F28F 1/12; F28F 1/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: fin, tube, condensation, water, louver, rib, braze, slope

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 10-2000-0001652 A (SAMSUNG ELECTRONICS CO., LTD.) 15 January 2000 See abstract, claims 1-3 and figures 1-3.	1-20
Y	JP 05-034470 U (-) 07 May 1993 See paragraph [0001] - paragraph [0007]; claim 1 and figures 1-4.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-2000-0001652 A	15.01.2000	None	
JP 05-034470 U	07.05.1993	JP H0-534470 U	07.05.1993