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(11) Publication number:

0 643 278 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **94117701.6**(51) Int. Cl.⁶: **F28D 1/04**, F28D 1/053,
F28F 1/12(22) Date of filing: **14.08.90**(30) Priority: **23.08.89 JP 217959/89**(43) Date of publication of application:
15.03.95 Bulletin 95/11(60) Publication number of the earlier application in
accordance with Art.76 EPC: **0 414 433**(84) Designated Contracting States:
AT DE FR GB IT SE(88) Date of deferred publication of the search report:
24.05.95 Bulletin 95/21(71) Applicant: **SHOWA ALUMINUM KABUSHIKI
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Berkshire SL5 8YT (GB)**(54) **An evaporator for use in car coolers.**

(57) An evaporator comprising a plurality of unit heat exchangers (A, B) each of which has a circuit formed therethrough for a heat exchanging medium and a connecting means (220, 230) for connecting the circuits in fluid communication with each other, each of the unit heat exchangers comprising a plurality of tubes (1) arranged in parallel with each other, a plurality of fins (2) each interposed between the two adjacent tubes (1) and a pair of hollow headers (3, 23 and 4, 24) to which both ends of each tube (1) are connected in fluid communication. The unit heat exchangers (A, B) are arranged fore and aft in a direction of air flow so that one of them faces windward, with the other lying leeward and unit air flow paths are defined between the adjacent tubes (1) and separated by the fins (2), such that a cross-sectional area of each unit air flow path in the leeward unit heat exchanger is larger than that in the

windward one, whereby an amount of condensed water on the leeward unit heat exchanger is prevented from being scattered therefrom.

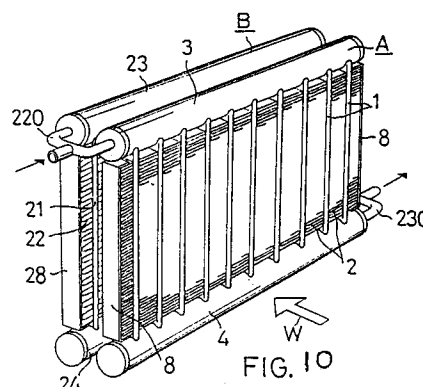


FIG. 10

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EUROPEAN SEARCH REPORT

Application Number
EP 94 11 7701

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
D,A	US-A-3 229 760 (HURTER ET AL.) * the whole document * ---	1,4	F28D1/04 F28D1/053 F28F1/12
A	DE-A-24 23 440 (PIGISCH) * the whole document * ---	1	
A	DE-A-31 08 485 (WOLOWSKI) * abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			F28D F28F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 March 1995	Examiner Von Arx, H
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			