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(72) Inventor: **Martin, Anthony Michael**
Andover, Hampshire SP10 2EF (GB)

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(74) Representative: **Kiddle, Simon John et al**
Mewburn Ellis,
York House,
23 Kingsway
London WC2B 6HP (GB)

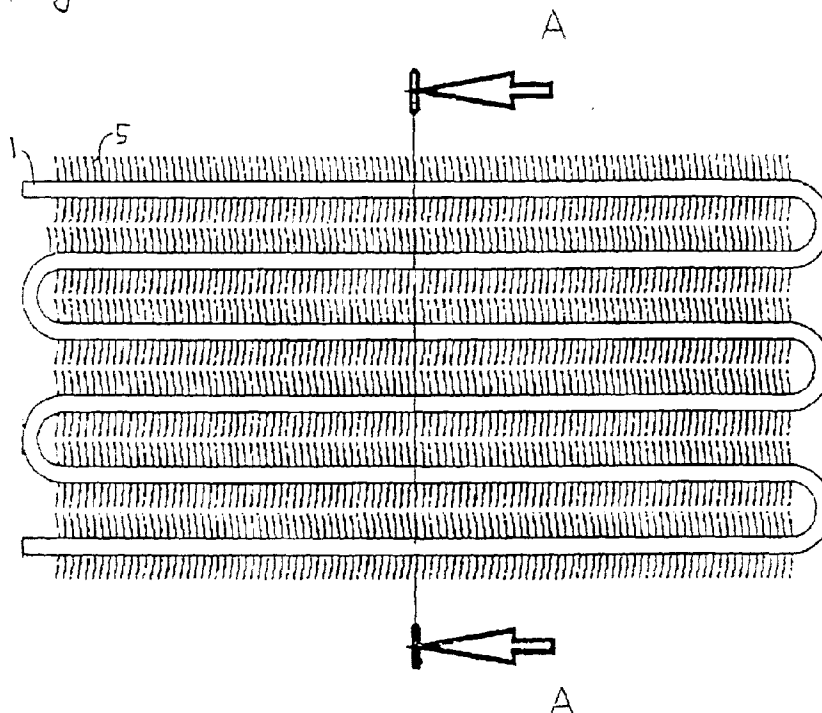
(71) Applicant: **MDH LIMITED**
Andover, Hampshire SP10 5AA (GB)

(54) Heat exchanger and method of manufacture, and dehydration apparatus

(57) A heat exchanger is provided comprising a coiled duct (1) having fins (5) integrally formed with the duct. A first fluid, typically a refrigerant fluid is passed through the interior (3a, 3b, 3c, 3d) of the duct, and a second fluid, typically a sterilant gas to be dried is

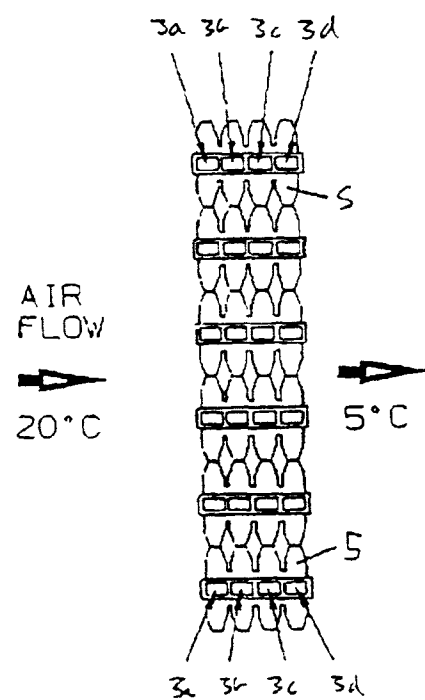
passed over the exterior of the duct, over the fins. A method of forming the coiled heat exchanger from a straight section of duct, formed as an extrusion with integral fins, without flattening the fins is disclosed. The invention can provide a compact efficient heat exchanger which is readily manufactured.

Fig. 1a



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Fig. 1b





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EUROPEAN SEARCH REPORT

Application Number
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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.6)
X	US 3 991 823 A (LITKE ET AL)	1,2,5,7	F28D7/02
Y	* column 3, line 30 - column 5, line 28 *	3,4,8-10	F28F1/16
	* column 6, line 57 - line 66 *		F28F1/26
	* figures *		

X	US 4 317 268 A (BOWDEN ET AL)	1,2,4-6, 11,12	
	* column 4, line 36 - column 5, line 52 *		
	* column 6, line 51 - line 60 *		
	* figures *		

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	* page 4, paragraph 2 - page 6, paragraph 1 *		
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	* column 3, line 57 - column 6, line 36; figures *		

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 November 1997	Examiner Depoorter, F
CATEGORY OF CITED DOCUMENTS		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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