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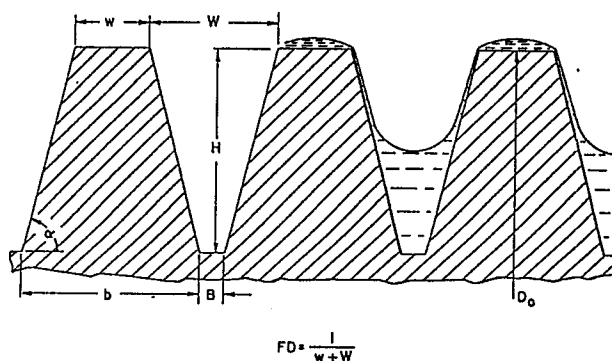
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54 **Ultra-low fin heat exchanger with enhanced heat transfer.**

57 A heat exchanger and a process for heat transfer wherein ultra low-fins are affixed to the outside of a tubular conduit to enhance heat transfer, when utilized in the presence of a two-phase refrigerant.

This apparatus and process have particular application to base load natural gas liquefaction coil-wound heat-exchangers.

SCHEMATIC ILLUSTRATION OF ULTRA-LOW FINS
AND DEFINITION OF FIN PARAMETERS





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. 4)
A	FR-A-1 444 696 (THOMSON-HOUSTON) * Abstract; figure 8 *	1	F 28 F 13/18 F 25 J 1/02
A	US-A-3 158 010 (KUERSTON) * Column 3, line 56 - column 4, line 66; figures 2,3 *	2,3,6,7	
A,D	US-A-3 384 154 (MILTON)		
A	DE-A-2 552 679 (HITACHI)		
A,D	US-A-4 216 819 (NOTARO)		TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A,D	US-A-3 217 799 (RODGERS)		F 28 F F 25 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-09-1985	Examiner JEST Y.G.A.
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	

