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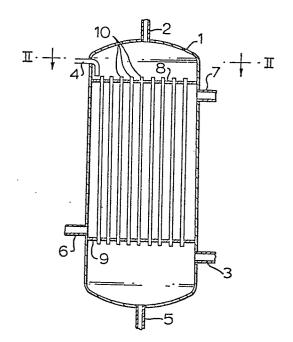
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Process and apparatus for indirect cooling of a hot gas.

Process and apparatus for indirectly cooling a hot gas that contains impurities which, on colling, deposit in the form of water-soluble solids, the hot gas being passed through a heat exchanger provided with tubes. A water film flows downwards along each of the tubes, and the water flowing away from beneath the tubes is discharged from the heat exchanger. Preferably use is made of a substantially vertical heat exchanger in which the gas is passed through the tubes and the water for the water film is fed onto a substantially horizontal tube plate in the top of the heat exchanger, to which tube plate the tubes are connected such that their ends project somewhat above the tube plate.



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EUROPEAN SEARCH REPORT

0 1 144444

EP 83 20 1842

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category		ith indication, where appropriate, evant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
х		2 (VANDENHOECK) figures 1,2 *	1-7,9	F 28 G 9/00 F 28 F 9/00
A	FR-A-2 348 45	- 5 (WIEGAND S.A.) figure 2 *	8	
A	GB-A-1 098 550 L'ENERGIE ATO * Claim:1; fi		1-3,6,9	
		- -		
				TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
				F 28 G 9/00 F 28 F 9/00
	The present search report has b	een drawn up for all claims		
		Date of completion of the search 14-01-1985	KLE	Examiner
Y : parti docu A : techi O : non-	CATEGORY OF CITED DOCL cularly relevant if taken alone cularly relevant if combined with the same category nological background written disclosure mediate document	E: earlier par after the fi ith another D: document L: document	tent document, billing date to cited in the app to cited for other to cited for other to the same pater	ying the invention out published on, or dication reasons out family, corresponding

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