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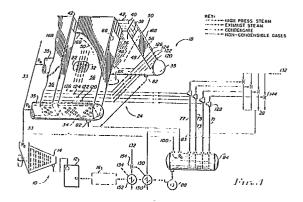
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[54] Improved air-cooled vacuum steam condenser.

An improved air-cooled vacuum steam condenser in a steam turbine cycle comprising a turbine (14) for generating mechanical power, a boiler (12) for generating steam, a conduit arrangement coupling the boiler (12) to the turbine (14) and then another conduit arrangement coupling the turbine exhaust back to the boiler (12) through steam condensing mechanisms. The steam condensing mechanisms include a plurality of finned tubes (32) through which the expanded exhaust steam may flow counter to its condensate and be condensed; a plurality of front headers (34) at the lower ends of the condensing tubes for conveying the exhaust steam from the turbine (14) and receiving the condensate from the finned tubes (32); a plurality of rear headers (36, 38, 40, 42) at the upper ends of the condensing tubes (56) for receiving the non-condensible gasses; and means in the rear headers to remove non-condensible gasses from the rear headers (36, 38, 40, 42).



EUROPEAN SEARCH REPORT

EP 89 11 0718

~ .	Citation of document with indication, wh	ONG generations	
Category	of relevant passages	ere appropriate, Relevan to claim	
X A	DE-B-1 082 286 (ARBED) * Whole document *	1 2,5-7,	F 28 B 9/10
D,A	GB-A-2 017 894 (KLUPPEL) * Whole document *	13,14	
D,A	US-A-4 220 121 (MAGGIORAN, * Whole document *	1	
D,A	GB-A-2 135 206 (LARINOFF) * Whole document *	1	
D,A	US-A-3 922 880 (MORRIS) * Whole document *	1	
D,A	US-A-2 217 410 (HOWARD) * Whole document *	1	
D,A	US-A-3 887 002 (SCHOONMAN) * Whole document *	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	US-A-4 417 619 (MINAMI) * Whole document *	1	F 28 B
A	FR-A-1 389 944 (HAPPEL) * Whole document *	1	
D,A	FR-A-1 386 255 (HAPPEL) * Whole document *	1	
	The present search report has been drawn up	for all claims	
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EPO FORM 1503 03.82 (P0401)

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