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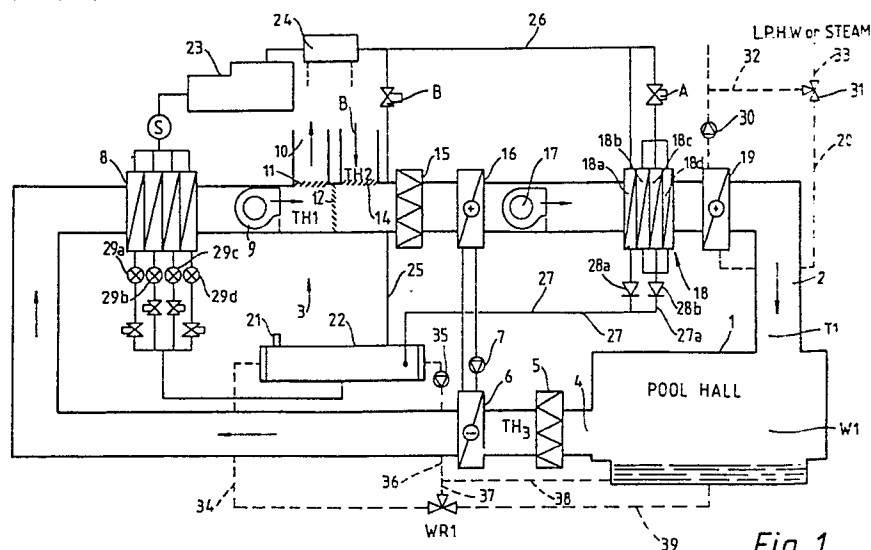
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54 **Environmental control system.**

57 An environmental control system, preferably for a swimming pool hall, has four control modes, namely dry bulb air temperature control, humidity control, controlled selection of fresh air intake in response to a comparison of enthalpies of the recirculated air and of the non-recirculated admitted air, and control of the condensing pressure of refrigerant in a heat pump system.

The air conditioning system comprises a heat pump system including a multi-stage switchable cooler (8); a multi-stage switchable heater (18); a hot water heat-exchanger (19); and a closed circuit "run around circuit" water system (7, 6, 16). The condenser (22) of the heat pump system uses the pool water as its heat sink.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>US - A - 3 913 344 (HOLLOWAY)</u> * Abstract; column 1, lines 9-28; figure 1 * --	1-4	F 24 F 11/08 3/00 3/14 5/00
	<u>US - A - 3 844 338 (HILGEMANN)</u> * Claims 1-3; figure 5 * --	5,7, 10,12	
	<u>DE - A - 2 402 347 (BUDERUS'SCHE EISENWERKE)</u> * Page 6, figure * --	5,7, 10-12	
	<u>DE - A - 2 417 082 (PFLUGER)</u> * Claims 1-6; figure 1 * --	5,7, 10,12	TECHNICAL FIELDS SEARCHED (Int. Cl.)
	<u>FR - A - 2 394 027 (AGENCE DE RENNES)</u> * Claim 3 * --	8	F 24 F
	<u>DE - A - 2 413 618 (HAPPEL)</u> * Claims 1-3; figure * --	5,9,10	CATEGORY OF CITED DOCUMENTS
	<u>DE - A - 2 165 531 (WITTE)</u> * Claims 1,12,15; figure 1 * ----	5,10, 11	X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
	<div> The present search report has been drawn up for all claims</div>		
Place of search The Hague	Date of completion of the search 27-10-1981	Examiner BURKHART	