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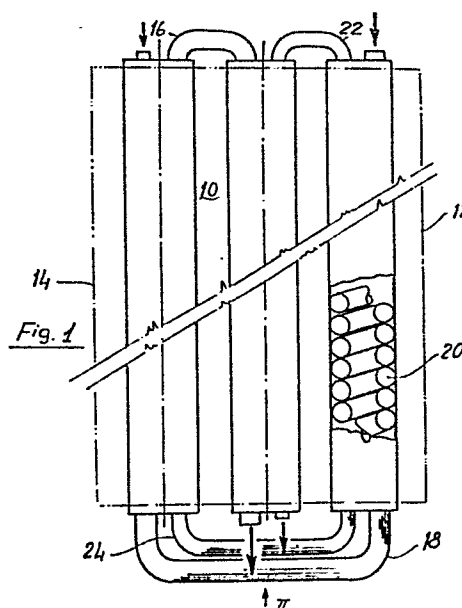
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**Water-gas heat exchanger, in particular for centralized heating systems and sanitary water systems.**

There is disclosed a water-gas heat exchanger, in particular for centralized heating systems and sanitary water systems, comprising a composite structure including a plurality of pipes (16, 18, 22, 24) and component parts, effective to allow for the pipes to exchange heat with an outside gaseous fluid.

These pipes define two discrete coils: one, consisting of the pipes of greater diameter (16, 18) and their intermediate rectilinear portions, is provided for heating purposes, while the other, consisting of the pipes of smaller diameter (22, 24) coupled in serie with helical tube parts (20), is provided for supplying sanitary drinkable water.





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. 7)
X	FR-A-1 161 091 (SCHNEIDER'S) * Page 2, left-hand column; abstract; figures 1,3 *	1,2,13 ,14	F 28 D 21/00 F 28 D 7/02 F 24 H 1/40
Y	---	4-6,9	
Y	FR-A-2 008 014 (JUNKERS) * Page 4, line 16 - page 5, line 16; figures 2,3 *	4-6,9	
X	FR-A-1 388 943 (GENERALE THERMIQUE) * Page 1, column 2, last paragraph - page 2, column 3, first paragraph; figures *	1-6,13 ,14	
Y	---	7,8,11	TECHNICAL FIELDS SEARCHED (Int. Cl. 7)
Y	US-A-3 780 799 (PASTERNAK) * Column 4, lines 39-51; column 9, lines 1-15; figure 1 *	7,8,11	F 28 D F 28 F F 24 H F 24 D
A	DE-C- 297 595 (HAEFELY) * Whole document *	1	
A	FR-A-2 069 980 (CHARMELOT) * Page 2, lines 10-17; page 3, lines 22-25; figure *	1,2,13 ,14	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-09-1984	Examiner JEST Y.G.A.
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	
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			



DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>3</sup> )
A	FR-A-2 346 660 (VOLKSWAGENWERK) * Page 3, line 35 - page 4, line 11; figure 1 *	4-6	
A	FR-A-2 110 039 (ZIFFERER) * Page 1, line 31 - end; claims 1-7; figure 3 *	15,16	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
Place of search THE HAGUE		Date of completion of the search 06-09-1984	Examiner JEST Y.G.A.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			