



(11) **EP 1 416 242 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
14.12.2011 Bulletin 2011/50

(51) Int Cl.:
F28D 1/047^(2006.01) F28F 9/26^(2006.01)

(43) Date of publication A2:
06.05.2004 Bulletin 2004/19

(21) Application number: **03020737.7**

(22) Date of filing: **12.09.2003**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

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(30) Priority: **30.10.2002 SE 0203185**

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(54) **A liquid-operated heat exchanger, particularly a heat recovery battery**

(57) The present invention relates to a heat recovery battery (1) with a plurality of circuits (10), placed above each other, through which a heat transferring liquid circulates. The circuits comprise horizontal exchanger tubes (12), provided with ribs (15), which exchanger tubes within a circuit in the form of a vertical row or several adjacent vertical rows are connected to each other via row bends (13), located at the ends of the circuits, to row circuits (12), which in their turn in a horizontal direction are connected to an entire circuit via circuits bends (14) at the highest and the lowest points of the row circuits, the inlets and the outlets of the circuits respectively through connecting tubes (9 and 11 respectively) being connected to collecting tubes (3 and 5 respectively) on the inlet and the outlet side respectively, which connecting tubes are provided with discharge and aeration means respectively (18 and 19). According to the invention each formation of said circuit bends (14) to row circuits (12), located vertically above each other and consequently also the last-mentioned row circuits per se being connected to each other via a through connecting tube (16) with aeration and discharge means respectively (17).

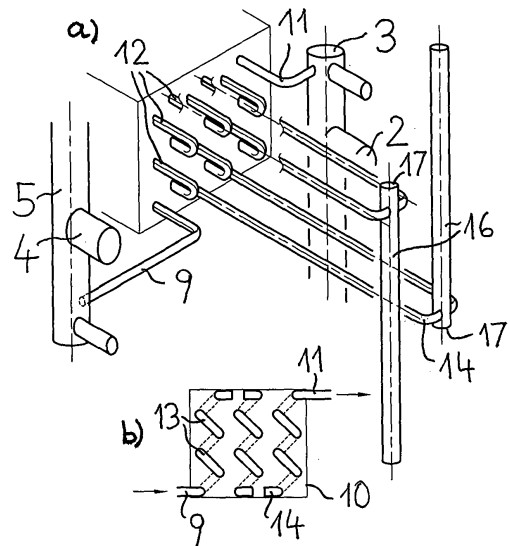


Fig. 5

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EUROPEAN SEARCH REPORT

Application Number
EP 03 02 0737

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1	Place of search The Hague	Date of completion of the search 2 November 2011	Examiner Van Dooren, Marc
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EPO FORM 1503, 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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