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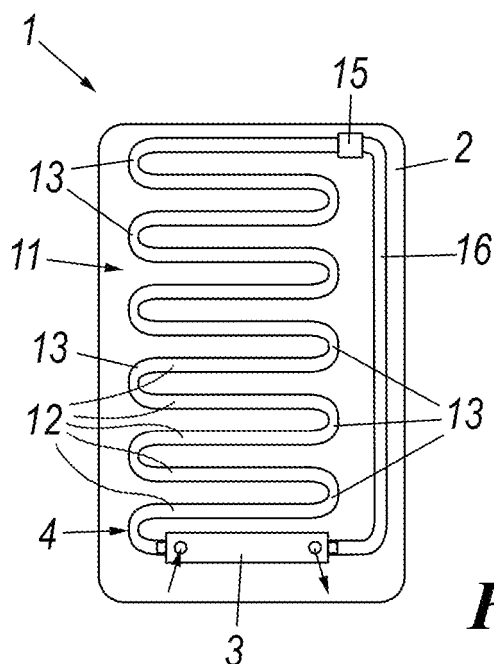
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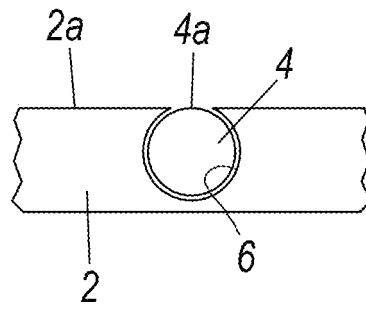
(54) **Radiator with radiating plate having high efficiency**

(57) The radiator (1) with radiating plate (2) having high efficiency comprises a plate (2) that bears at least one manifold (3, 18) where to is fastened at least one tube (4) for conveying a heat-carrying fluid. The plate (2) presents at least one groove (6) in which is inserted the

tube (4). The tube (4) and the groove (6) present at least one coil portion (11) defined by a plurality of first segments (12) substantially parallel to each other and able to assume a substantially horizontal position when the radiator (1) is installed, and second segments (13) interposed between said first segments (12).



**Fig. 1**



***Fig. 6***



## EUROPEAN SEARCH REPORT

Application Number  
EP 08 16 5160

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                      |                                  |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Citation of document with indication, where appropriate, of relevant passages                                                        | Relevant to claim                | CLASSIFICATION OF THE APPLICATION (IPC)   |
| X,P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EP 1 956 332 A1 (FECS PARTECIPAZIONI S R L [IT]) 13 August 2008 (2008-08-13)<br>* paragraph [0035] - paragraph [0035];<br>figure 3 * | 1,13                             | INV.<br>F28D1/047<br>F28F1/32<br>F28F1/22 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                      |                                  | F28D<br>F28F<br>F24D                      |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                      | Date of completion of the search | Examiner                                  |
| Munich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                      | 4 October 2012                   | Martínez Rico, Celia                      |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                      |                                  |                                           |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 16 5160

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