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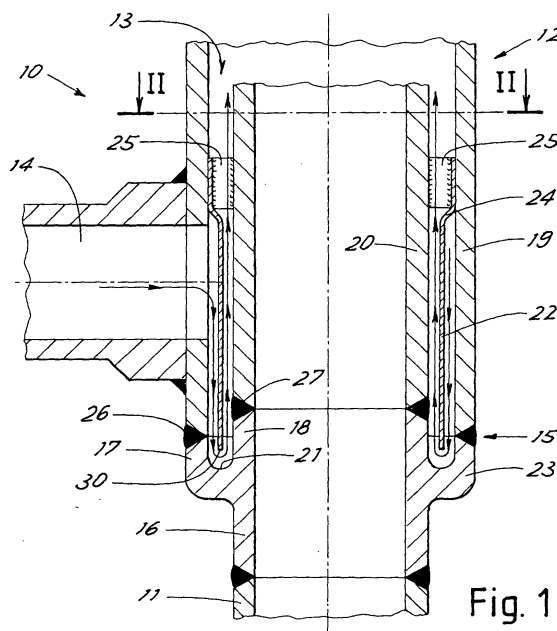
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(54) **Connection of an uncooled pipe and a cooled pipe in particular for double pipe heat exchangers**

(57) A connection (10) between an uncooled pipe (11) and a cooled double-walled pipe (12) with air space (13) between walls run through by cooling fluid let into the air space through a side passage (14) near the connection. The connection comprises a connection zone (15) having a longitudinal section generally in fork form to have a single tubular end (16) connected to the uncooled pipe and an opposite double tubular end (17,18) to which are connected the corresponding walls (19,20) of the cooled double-walled pipe so that the bottom (21) of the fork constitutes an end closing of the air space. Near the fork between the two walls (17-20) is a baffle member (22) which diverts toward the bottom (21) of the fork the cooling fluid entering the air space through said side passage (14) before the cooling fluid starts to travel along the double-walled pipe.



**Fig. 1**



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# EUROPEAN SEARCH REPORT

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EP 02 02 5173

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                     |                                  |                                              |
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| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Citation of document with indication, where appropriate, of relevant passages                                       | Relevant to claim                | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
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| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                     |                                  |                                              |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                     | Date of completion of the search | Examiner                                     |
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| CATEGORY OF CITED DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                     |                                  |                                              |
| <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> |                                                                                                                     |                                  |                                              |

EPO FORM 1503 03/92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 02 02 5173

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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