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(54) **A tube structure, a flow channel structure, and a heat exchanger**

(57) The invention relates to a tube structure, a flow channel structure and a heat exchanger, as well as their use, particularly in pre-heaters for air in boiler plants. The tube structure (P) is intended to be fixed between opposite walls (1, 2) of a flow channel (VK) or the like for a first heat transfer medium (VK) of a heat exchanger. A second heat transfer medium (TV) is arranged to flow through the tube structure (P). The tube structure (P)

comprises, at its both ends (3, 4), fixing means (5, 6) for fixing the tube structure (P) in a releasable manner to the walls (1, 2) of the flow channel (VK). The first and second walls (1, 2) of the flow channel structure are provided with a compatible pair (17, 18) of holes, through which the tube structures (P) to be inserted in the heat exchanger are installed.

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EUROPEAN SEARCH REPORT

Application Number
EP 01 66 0221

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 7 January 2005	Examiner Leclaire, T
<p>CATEGORY OF CITED DOCUMENTS</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 & : member of the same patent family, corresponding document</p>			

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Application Number
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82