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(54) **Spiral pipe heat exchanger with tilted pipe sections**

(57) A spiral heat-transfer pipe (2a-2h) for heat exchange provided in a heat exchanger (1) includes: an upstream heat-transfer pipe section (22) disposed on an upstream side of a flow path of an external fluid flowing outside the spiral heat-transfer pipe (2); and a downstream heat-transfer pipe section (24) disposed on a downstream side of the flow path. Each of the heat-transfer pipe sections (22, 24) is disposed so as to extend in a direction crossing the flow path of the external fluid. Each of an axis (12) of the upstream heat-transfer pipe section (22) and an axis (14) of the downstream heat-transfer pipe section (24) is tilted with respect to a horizontal plane. Also, the axis (12) of the upstream heat-transfer pipe section (22) crosses the axis (14) of the downstream heat-transfer pipe section (24).

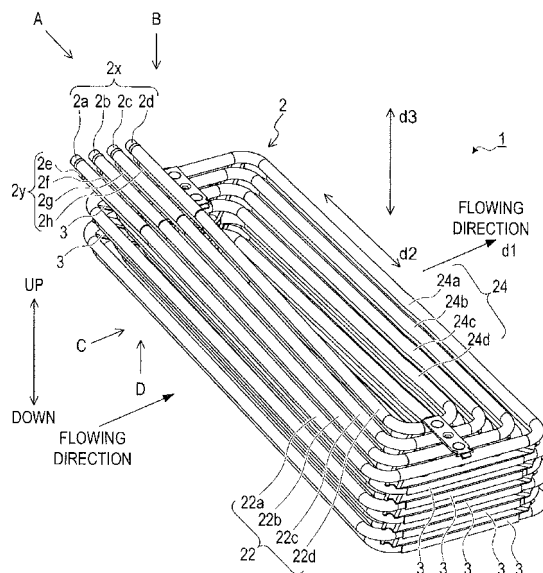


FIG.1



EUROPEAN SEARCH REPORT

Application Number
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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 27 October 2011	Examiner Leclaire, Thomas		
CATEGORY OF CITED DOCUMENTS 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 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					

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