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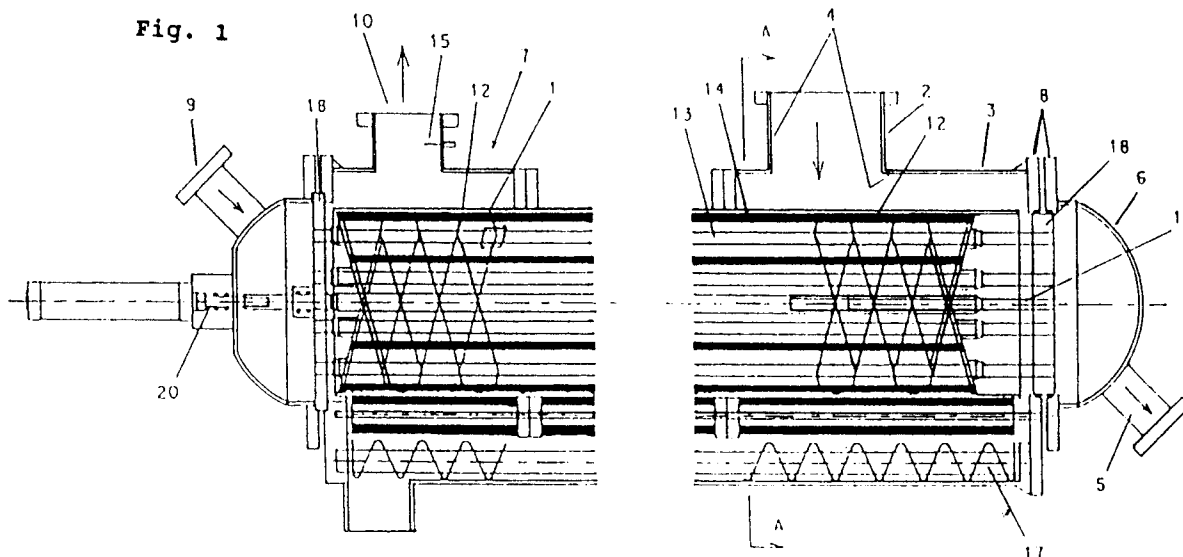
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27.10.93 Bulletin 93/43(71) Applicant: **NORSK HYDRO TECHNOLOGY B.V.**
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NL-4540 AA Sluiskil(NL)(72) Inventor: **Boe, Einar**
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N-0672 Oslo(NO)(54) **Cleaning equipment for a heat exchanger.**

(57) A heat exchanger (7) of the jacket-pipe section type has built-in baffles (12). The baffles (12) are stiffened with bars (14) and connected to one or more pulling devices (20) which can be moved lon-

gitudinally forwards and backwards, thus pulling the baffles (12) over the outside of the pipes and scraping off encrustation.

Fig. 1**EP 0 544 348 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 92 20 3376

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X | FR-A-1 308 703 (CHARREAU) | 1,2,3,5 | F28G1/02 |
| Y | * the whole document * | 4 | |
| | --- | | |
| Y | GB-A-714 926 (SWINNEY BROTHERS LTD) | 4 | |
| | * the whole document * | | |
| | --- | | |
| X | FR-A-1 093 366 (BARBISAN) | 1,2,3 | |
| | * the whole document * | | |
| | --- | | |
| A | GB-A-375 132 (THOMAS THOMPSON BROWN) | 1 | |
| | * the whole document * | | |
| | --- | | |
| A | US-A-3 086 235 (TAORMINA) | 5 | |
| | * the whole document * | | |
| | ----- | | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | F28G F28F |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 30 AUGUST 1993 | Examiner SMETS E.D.C. |
| 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 | |