

Title (en)
Heat exchanger.

Title (de)
Wärmetauscher.

Title (fr)
Echangeur de chaleur.

Publication
EP 0632246 A3 19950412 (EN)

Application
EP 94304576 A 19940623

Priority
JP 3648193 U 19930702

Abstract (en)
[origin: EP0632246A2] A heat exchanger includes a pair of tanks (14,15) and a heat exchanger core comprising a plurality of upstream and downstream heat-transfer tubes (11,31,41) and fin units (12). The downstream tubes have a cross sectional area which is greater than that of the upstream tubes for preventing the downstream heat-transfer tubes from becoming clogged by corrosion products which are grown in the upstream tubes. Further, a filter device (24) may be disposed in the tank for filtering out corrosion products before they enter the downstream tubes. <IMAGE>

IPC 1-7
F28D 1/053; **F28F 19/00**; **F28F 13/08**

IPC 8 full level
F28D 1/04 (2006.01); **F28D 1/053** (2006.01); **F28F 13/08** (2006.01); **F28F 19/00** (2006.01); **F28F 19/01** (2006.01)

CPC (source: EP)
F28D 1/0408 (2013.01); **F28D 1/05375** (2013.01); **F28D 1/05383** (2013.01); **F28F 13/08** (2013.01); **F28F 19/00** (2013.01); **F28F 19/01** (2013.01); **F28F 2210/08** (2013.01)

Citation (search report)
• [A] US 5107921 A 19920428 - TSAI FRANK W [US]
• [A] US 4387764 A 19830614 - LISTER MARC D
• [DA] US 4645000 A 19870224 - SCARSELLETTA LOUIS [US]

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