

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 0632246 B1 19980506 (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**; **F28F 19/01**

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)
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Cited by
EP0855567A3; CN102735077A; DE102006035993A1; DE19814827A1; DE19814827B4; US6341648B1; EP2818822A1; FR3007513A1; US7337832B2; WO2004099695A1; WO2007124484A3; US8256746B2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
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