

Title (en)  
HEAT EXCHANGER

Publication  
**EP 0098446 B1 19870520 (DE)**

Application  
**EP 83106023 A 19830621**

Priority  
DE 3224529 A 19820701

Abstract (en)  
[origin: EP0098446A2] 1. A heat exchanger comprising a closed vessel and at least one immersion heater inserted in the vessel, the said heater being exposed on the inside to a heating or cooling medium and being surrounded on the outside by the vessel contents, wherein the vessel is enameled on the inside, and the immersion heater (2) is provided with hollow fins (12) and is enameled on the outside.

IPC 1-7  
**F28F 19/02**; **F28D 1/02**

IPC 8 full level  
**F28D 1/02** (2006.01); **F28F 19/02** (2006.01)

CPC (source: EP)  
**F28D 1/0213** (2013.01); **F28F 19/02** (2013.01)

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**EP 0098446 A2 19840118**; **EP 0098446 A3 19850130**; **EP 0098446 B1 19870520**; DE 3224529 A1 19840105; DE 3371690 D1 19870625; JP S5918393 A 19840130

DOCDB simple family (application)  
**EP 83106023 A 19830621**; DE 3224529 A 19820701; DE 3371690 T 19830621; JP 11627483 A 19830629