

Title (en)  
HEAT EXCHANGER

Publication  
**EP 0348299 B1 19920617 (FR)**

Application  
**EP 89401752 A 19890621**

Priority  
FR 8808396 A 19880622

Abstract (en)

[origin: EP0348299A1] Heat exchanger (1) comprising a hollow body (2) exhibiting a feed chamber (6) and an evacuation chamber (9) which are connected by at least one guide tube (15) in which there extends at least one elongate heating element (19) in such a manner that a fluid can pass from the feed chamber to the evacuation chamber by flowing into the space separating the heating element and the guide tube, said hollow body (1) further exhibiting two intermediate chambers (7, 8) connected by at least one linking tube (13) which is disposed around said guide tube (15) and which connects these intermediate chambers in such a manner that a second fluid can pass from one intermediate chamber into the other by flowing into the space (17) separating the guide tube and the linking tube. <IMAGE>

IPC 1-7  
**F24H 1/22; F28D 7/10; F28F 9/22**

IPC 8 full level  
**F24H 1/22** (2006.01); **F28D 7/10** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)  
**F24H 1/225** (2013.01); **F28D 7/106** (2013.01); **F28F 9/22** (2013.01)

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0348299 A1 19891227; EP 0348299 B1 19920617**; AT E77473 T1 19920715; DE 68901815 D1 19920723; DE 68901815 T2 19921217;  
ES 2033105 T3 19930301; FR 2633378 A1 19891229; FR 2633378 B1 19910111

DOCDB simple family (application)  
**EP 89401752 A 19890621**; AT 89401752 T 19890621; DE 68901815 T 19890621; ES 89401752 T 19890621; FR 8808396 A 19880622