

Title (en)  
Header tube for heat exchanger

Title (de)  
Sammelrohrereinheit für einen Wärmeübertrager

Title (fr)  
Tube collecteur pour échangeur de chaleur

Publication  
**EP 0992757 B1 20030723 (DE)**

Application  
**EP 99118012 A 19990920**

Priority  
DE 19846267 A 19981008

Abstract (en)  
[origin: EP0992757A2] The collection tube (1) is produced from one or more face-side individual tubes inserted one in the other or joined together, with an open longitudinal slot (2) at least on one individual tube face side (1b) formed before or after construction of the collection tube. The collection tube contains several flow-pressed individual tubes with closed face-side bases, which with their bases are joined together and provided with through longitudinal slots.

IPC 1-7  
**F28F 9/02**

IPC 8 full level  
**F28F 9/18** (2006.01); **F28D 1/053** (2006.01); **F28F 1/02** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)  
**F28D 1/05366** (2013.01 - EP US); **F28F 1/025** (2013.01 - EP US); **F28F 9/0221** (2013.01 - EP US); **F28F 9/0243** (2013.01 - EP US); **F28D 2021/0073** (2013.01 - EP US); **F28D 2021/0085** (2013.01 - EP US); **F28F 2220/00** (2013.01 - EP US)

Cited by  
EP1293743A3; EP1298405A3; EP1298405A2; WO03098142A1

Designated contracting state (EPC)  
DE ES FR GB SE

DOCDB simple family (publication)  
**EP 0992757 A2 20000412**; **EP 0992757 A3 20000621**; **EP 0992757 B1 20030723**; AU 1373100 A 20000501; CA 2312784 A1 20000420; DE 19846267 A1 20000413; DE 59906340 D1 20030828; ES 2204041 T3 20040416; JP 2000111295 A 20000418; JP 4210007 B2 20090114; US 6170569 B1 20010109; WO 0022365 A2 20000420; WO 0022365 A3 20000713

DOCDB simple family (application)  
**EP 99118012 A 19990920**; AU 1373100 A 19990928; CA 2312784 A 19990928; DE 19846267 A 19981008; DE 59906340 T 19990920; DE 9903116 W 19990928; ES 99118012 T 19990920; JP 27065099 A 19990924; US 41464999 A 19991008