

Title (en)

A method for the manufacture of a heat exchanger, particularly for the manufacture of a condenser for vehicle air-conditioning systems

Title (de)

Verfahren zum Herstellen eines Wärmetauschers, insbesondere zum Herstellen eines Kondensators für Fahrzeugklimaanlagen

Title (fr)

Procédé de fabrication d'un échangeur de chaleur, en particulier pour la fabrication d'un condenseur pour systèmes de climatisation d'un véhicule

Publication

EP 0757928 A1 19970212 (EN)

Application

EP 96111912 A 19960724

Priority

IT TO950673 A 19950807

Abstract (en)

The heat exchanger (10) includes a pair of parallel distributors (12, 14) and a plurality of tubes (16) for the passage of fluid. Each distributor (12, 14) comprises a tubular element (20) and a plurality of partitions (22) which divide the interior of the tubular element (20) into a plurality of chambers aligned with each other along the axis of the distributor (12, 14). The partitions (22) are inserted from an open end of the tubular element (20) and are positioned at predetermined points by being slid along the longitudinal axis of the tubular element. Subsequently, a series of apertures (42) is formed in the wall of the tubular element to act as couplings for the ends of tubes (16) for the passage of fluid. <IMAGE>

IPC 1-7

B21D 53/08

IPC 8 full level

B21D 53/08 (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01); **F25B 39/04** (2006.01)

CPC (source: EP)

B21D 53/085 (2013.01); **F28F 9/0212** (2013.01); **F28F 9/0243** (2013.01); **F28F 9/18** (2013.01); **F25B 39/04** (2013.01)

Citation (search report)

- [Y] FR 2713114 A1 19950609 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] US 4679289 A 19870714 - MILLER DONALD E [US]
- [A] US 5052480 A 19911001 - NAKAJIMA ICHIO [JP], et al
- [A] DE 1959913 A1 19700618 - OLOFSTROEM AB
- [A] EP 0576725 A1 19940105 - WALLIS BERNARD J [US]
- [A] US 4582127 A 19860415 - MORANNE JEAN-PIERRE [FR]

Cited by

ITPD20120073A1; DE19743427A1; CN105135753A; US6993838B1; WO0055561A1

Designated contracting state (EPC)

DE ES FR GB SE

DOCDB simple family (publication)

EP 0757928 A1 19970212; EP 0757928 B1 20010124; AR 004504 A1 19981216; BR 9604065 A 19991013; CN 1114815 C 20030716; CN 1151017 A 19970604; DE 69611640 D1 20010301; DE 69611640 T2 20010503; ES 2155552 T3 20010516; IT 1280900 B1 19980211; IT TO950673 A0 19950807; IT TO950673 A1 19970207; JP H09119795 A 19970506; PL 315538 A1 19970217; TR 199600651 A1 19970321

DOCDB simple family (application)

EP 96111912 A 19960724; AR 10389896 A 19960806; BR 9604065 A 19960806; CN 96111809 A 19960806; DE 69611640 T 19960724; ES 96111912 T 19960724; IT TO950673 A 19950807; JP 20724696 A 19960806; PL 31553896 A 19960806; TR 9600651 A 19960807