

Title (en)

A METHOD OF PRODUCING A PLATE HEAT EXCHANGER; AND A PLATE HEAT EXCHANGER

Title (de)

PLATTENWÄRMETAUSCHERHERSTELLUNGSVERFAHREN UND PLATTENWÄRMETAUSCHER

Title (fr)

ECHANGEUR THERMIQUE A PLAQUES ET SON PROCEDE DE FABRICATION

Publication

EP 1087851 A1 20010404 (EN)

Application

EP 99931659 A 19990603

Priority

- SE 9900960 W 19990603
- SE 9802175 A 19980616
- SE 9804177 A 19981201

Abstract (en)

[origin: WO0000310A1] The plate heat exchanger according to the invention comprises heat transfer plates, which are provided with so called port holes and are permanently joined through brazing to a plate package, the port holes forming port channels through the plate package, an end plate (16), which is permanently connected with an outer heat transfer plate in the plate package and provided with at least one opening (28, 29) communicating with one of the said port channels, and a connection plate (18), which is permanently connected with the end plate (16) and adapted for connection of the plate heat exchanger to a conduit constituting an inlet or outlet for a heat exchange fluid. The connection plate (18) is provided with a through hole (21, 22) and this hole and the opening (28, 29) in the end plate (16) form respective parts of a connection channel. A guiding member, preferably in the form of a sleeve (30, 31), extends in the said connection channel. The sleeve (30, 31) around its periphery is fluid-tightly connected with at least one of the end plate (16) and the connection plate (18). The invention also concerns a method of producing a plate heat exchanger, according to which the guiding member fixes the connection plate (18) in relation to the end plate (16) during the brazing of the plate heat exchanger.

IPC 1-7

B21D 53/04; **F28D 9/00**

IPC 8 full level

B21D 53/04 (2006.01); **F28D 9/00** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)

B21D 53/04 (2013.01); **F28D 9/005** (2013.01); **F28F 9/002** (2013.01)

Citation (search report)

See references of WO 0000310A1

Designated contracting state (EPC)

AT BE CH DE DK FI IT LI NL

DOCDB simple family (publication)

WO 0000310 A1 20000106; AT E273762 T1 20040915; AU 4810299 A 20000117; DE 69919540 D1 20040923; DE 69919540 T2 20041230; EP 1087851 A1 20010404; EP 1087851 B1 20040818; SE 513540 C2 20000925; SE 9804177 D0 19981201; SE 9804177 L 19991217

DOCDB simple family (application)

SE 9900960 W 19990603; AT 99931659 T 19990603; AU 4810299 A 19990603; DE 69919540 T 19990603; EP 99931659 A 19990603; SE 9804177 A 19981201