

Title (en)
HEAT EXCHANGER

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1767889 A2 20070328 (EN)

Application
EP 06121030 A 20060921

Priority
• JP 2005273697 A 20050921
• JP 2005292816 A 20051005

Abstract (en)
A condenser includes a pair of tanks, at least one of the tanks having a communicating hole, a condenser core arranged between the tanks and having fins and tubes fluidically connected with the tanks, and a connector (P2) having a connecting hole (21). A peripheral portion of the communicating hole is pressed into the connecting hole (21) to form a burring portion (27) which is caulked on an inner face forming the connecting hole (21) so that the connector (P2) and the tank are temporarily fixed with each other, and facing portions of the tank and the connector (P2) are integrally fixed with each other by blazing. The inner surface of the connecting hole (21) is provided with a holding groove (24) to receive an inserted projecting portion (27a) formed on a part of an outer surface of the burring portion (27) for holding the connector (P2) to the tank.

IPC 8 full level
F28F 9/04 (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F28D 1/05366 (2013.01); **F28F 9/0212** (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0251** (2013.01); **F28F 2275/122** (2013.01)

Cited by
FR2958386A1; FR2958387A1; CN110849702A; FR2958388A1; EP3663695A1; WO2011120975A1; WO2020115043A1; WO2011120972A1

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