

Title (en)

CONDENSER-TYPE WELDED-PLATE HEAT EXCHANGER

Title (de)

KONDENSATORARTIGER SCHWEISSSCHEIBEN-WÄRMETAUSCHER

Title (fr)

ECHANGEUR THERMIQUE A PLAQUES SOUDEES, DU TYPE CONDENSEUR

Publication

EP 1896789 B1 20081022 (FR)

Application

EP 06778968 A 20060623

Priority

- FR 2006050623 W 20060623
- FR 0551814 A 20050629

Abstract (en)

[origin: WO2007003838A2] The invention relates to a condenser-type heat exchanger (1) comprising a set of welded plates which define interpenetrating fluid circuits therebetween. According to the invention, the exchanger is characterised in that it comprises: at least two welded plate modules (52, 53) which are each equipped with an independent refrigerant circuit (CF₁, CF₂), whereby fluid CF₂ is preferably colder than fluid CF₁; and a connecting chamber (66) which connects two modules in series to the circuit of the fluid to be condensed, such that the circulation direction (V_D, V_A) of the fluid to be condensed is reversed at the passage from one module (52) to the next (53).

IPC 8 full level

F28B 1/02 (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP US)

F28B 1/02 (2013.01 - EP US); **F28D 9/0093** (2013.01 - EP US); **F28F 9/26** (2013.01 - EP US); **F28B 2001/065** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2887970 A1 20070105; FR 2887970 B1 20070907; AT E412155 T1 20081115; CA 2609981 A1 20070111; CA 2609981 C 20120814; CN 100561095 C 20091118; CN 101203723 A 20080618; DE 602006003343 D1 20081204; EP 1896789 A2 20080312; EP 1896789 B1 20081022; JP 2009500585 A 20090108; US 2008196871 A1 20080821; US 8443869 B2 20130521; WO 2007003838 A2 20070111; WO 2007003838 A3 20070628

DOCDB simple family (application)

FR 0551814 A 20050629; AT 06778968 T 20060623; CA 2609981 A 20060623; CN 200680019025 A 20060623; DE 602006003343 T 20060623; EP 06778968 A 20060623; FR 2006050623 W 20060623; JP 2008518934 A 20060623; US 91603506 A 20060623