

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Échangeur de chaleur

Publication
EP 2369285 B1 20200819 (EN)

Application
EP 11002335 A 20110322

Priority
CN 201010132946 A 20100324

Abstract (en)
[origin: EP2369285A2] A heat exchanger comprises: a first header; a second header; a plurality of tubes spaced apart from each other and each connected between the first and second headers in fluid communication therewith; and a plurality of fins each disposed between adjacent tubes, in which the heat exchanger has a bent portion between the first and second headers such that the heat exchanger is divided into first and second heat exchanger portions which are located at two sides of the bent portion respectively, and a heat transfer coefficient of the second heat exchanger portion is greater than that of the first heat exchanger portion. The heat exchanger according to an embodiment of the present disclosure is bent into a substantially inverted V-shape, and the capacities at two sides of the bending position are identical, thus improving the heat exchange performance.

IPC 8 full level
F28D 1/047 (2006.01); **F28D 1/053** (2006.01); **F28F 1/12** (2006.01); **F28F 13/14** (2006.01)

CPC (source: EP US)
F28D 1/0426 (2013.01 - EP US); **F28D 1/047** (2013.01 - EP US); **F28D 1/0535** (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28F 13/14** (2013.01 - EP US); **F28F 2215/04** (2013.01 - EP US)

Cited by
CN104981674A; WO2014124312A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2369285 A2 20110928; EP 2369285 A3 20170222; EP 2369285 B1 20200819; CN 101806550 A 20100818; CN 101806550 B 20140219; US 2011232884 A1 20110929

DOCDB simple family (application)
EP 11002335 A 20110322; CN 201010132946 A 20100324; US 201113070012 A 20110323