

Title (en)
MULTIPLE BANK FLATTENED TUBE HEAT EXCHANGER

Title (de)
RÖHRENWÄRMETAUSCHER MIT MEHREREN ABGEFLACHTEN RIPPEN

Title (fr)
ÉCHANGEUR DE CHALEUR À TUBES PLATS ET À FAISCEAUX MULTIPLES

Publication
EP 2956728 A1 20151223 (EN)

Application
EP 13814690 A 20131204

Priority

- US 201361764011 P 20130213
- US 2013073077 W 20131204

Abstract (en)
[origin: WO2014126634A1] A multiple bank, flattened tube, finned heat exchanger includes a first tube bank including a plurality of flattened heat exchange tube segments extending longitudinally and arrayed in spaced parallel relationship between a first manifold and a second manifold and a second tube bank including a plurality of flattened tube segments extending longitudinally and arrayed in spaced parallel relationship between a first manifold and a second manifold, the second tube bank disposed in spaced relationship with and behind the first tube bank. A folded fin is disposed between each set of adjacent heat exchange tube segments of the first and second tube banks. Each folded fin extends between a respective set of adjacent heat exchange tube segments of both the first tube bank and the second tube bank, spanning the spacing gap between the tube banks. A plurality of fin notches protrude outwardly from each folded fin into the spacing gap.

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

CPC (source: EP US)
F28D 1/05383 (2013.01 - EP US); **F28D 1/05391** (2013.01 - EP US); **F28D 7/0066** (2013.01 - US); **F28F 1/126** (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28F 2215/10** (2013.01 - EP US); **F28F 2240/00** (2013.01 - EP US); **F28F 2265/32** (2013.01 - EP US)

Citation (search report)
See references of WO 2014126634A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014126634 A1 20140821; CN 104995471 A 20151021; EP 2956728 A1 20151223; EP 2956728 B1 20170322; ES 2627555 T3 20170728; US 2015377561 A1 20151231

DOCDB simple family (application)
US 2013073077 W 20131204; CN 201380072950 A 20131204; EP 13814690 A 20131204; ES 13814690 T 20131204; US 201314767197 A 20131204