

Title (en)

MULTI-CHANNEL TUBE FOR HEAT EXCHANGERS

Title (de)

MEHRKANALROHR FÜR WÄRMETAUSCHER

Title (fr)

TUBE À CONDUITS MULTIPLES POUR ÉCHANGEUR DE CHALEUR

Publication

EP 3196577 A1 20170726 (EN)

Application

EP 15841187 A 20150911

Priority

- ES 201431350 A 20140917
- ES 2015070661 W 20150911

Abstract (en)

The invention relates to a multi-channel tube for heat exchangers, formed by a single-component structural assembly (1) determining a plurality of tubular shapes (2) that are laterally connected to a supporting plate (3) in an arrangement parallel to each other with intermediate separating spaces (4), which allows establishing respective independent air circulation flows, with heat transfer therebetween, through the interior of the tubular shapes (2) and through the spaces (4), all inside a tubular shell (6) surrounding the structural assembly (1).

IPC 8 full level

F28D 9/00 (2006.01); **F24F 12/00** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP ES)

F24F 12/00 (2013.01 - EP); **F24F 12/006** (2013.01 - ES); **F28D 7/1684** (2013.01 - EP); **F28D 9/0025** (2013.01 - EP); **F28D 9/0062** (2013.01 - ES); **F28D 9/0081** (2013.01 - EP); **F28D 21/0014** (2013.01 - EP); **F28F 1/022** (2013.01 - EP); **F28F 7/02** (2013.01 - EP); **F28F 9/001** (2013.01 - EP); **F28F 9/0131** (2013.01 - EP ES); **F28F 2255/16** (2013.01 - EP)

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)

EP 3196577 A1 20170726; **EP 3196577 A4 20180627**; ES 2564197 A1 20160318; ES 2564197 B1 20161010; WO 2016042184 A1 20160324

DOCDB simple family (application)

EP 15841187 A 20150911; ES 201431350 A 20140917; ES 2015070661 W 20150911