

Title (en)

SPIRAL HEAT EXCHANGER WITH ANTI-FOULING PROPERTIES

Title (de)

SPIRALWÄRMETAUSCHER MIT FÄULNISVERHINDERNDEN EIGENSCHAFTEN

Title (fr)

ÉCHANGEUR DE CHALEUR SPIRAL AVEC PROPRIÉTÉS ANTI-ENCRASSEMENT

Publication

**EP 2786086 A1 20141008 (EN)**

Application

**EP 12806189 A 20121128**

Priority

- SE 1151126 A 20111128
- SE 2012051310 W 20121128

Abstract (en)

[origin: WO2013081537A1] The invention relates to a spiral heat exchanger (1) comprising a spiral body (2) formed by at least one spiral sheet (3) wound to form the spiral body (2) forming at least a first spiral-shaped flow channel (5a) for a first medium and a second spiral-shaped flow channel (5b) for a second medium, wherein the spiral body (2) is enclosed by a substantially cylindrical shell (6) being provided with connecting elements (8a, 8b, 9a, 9b) communicating with the first flow channel and the second flow channel (5a, 5b). At least a part of the spiral heat exchanger is provided with a coating (10) comprising silicon oxide, SiO<sub>x</sub>.

IPC 8 full level

**C09D 5/16** (2006.01); **F28D 9/04** (2006.01); **F28F 19/04** (2006.01)

CPC (source: EP US)

**C09D 5/1675** (2013.01 - EP US); **C09D 183/04** (2013.01 - EP US); **F28D 9/04** (2013.01 - EP US); **F28F 19/04** (2013.01 - EP US); **F28F 21/00** (2013.01 - US)

Citation (search report)

See references of WO 2013081537A1

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)

**WO 2013081537 A1 20130606**; CN 103946667 A 20140723; EP 2786086 A1 20141008; JP 2015504507 A 20150212; RU 2014126369 A 20160127; US 2014318748 A1 20141030

DOCDB simple family (application)

**SE 2012051310 W 20121128**; CN 201280058204 A 20121128; EP 12806189 A 20121128; JP 2014543451 A 20121128; RU 2014126369 A 20121128; US 201214357511 A 20121128