

Title (en)

DEVICE FOR THE MAGNETIC TREATMENT OF A HYDROCARBON-CONTAINING FLUID

Title (de)

VORRICHTUNG ZUR MAGNETISCHEN BEHANDLUNG EINES KOHLENWASSERSTOFFHALTIGEN FLUIDS

Title (fr)

DISPOSITIF POUR LE TRAITEMENT MAGNÉTIQUE D'UN FLUIDE À BASE D'HYDROCARBURES

Publication

EP 2925996 B1 20160608 (DE)

Application

EP 13798543 A 20131108

Priority

- AT 12542012 A 20121128
- AT 2013000188 W 20131108

Abstract (en)

[origin: WO2014082107A1] The invention relates to a device (1) for the magnetic treatment of a hydrocarbon-containing fluid, which device comprises a pipe (2) for the fluid to flow through and six magnets (3) that form three pairs arranged one behind the other, the magnetic fields of which penetrate the interior of the pipe, wherein the magnets are of substantially cylindrical construction and are arranged outside the pipe, wherein the two magnets of a pair are arranged aligned with one another on opposing sides of the pipe wall and each have one of their end faces (4) directed towards the pipe, and wherein each magnet has a line pattern of alternating magnet polarity, which line pattern is aligned perpendicular to the flow direction of the fluid.

IPC 8 full level

F02M 27/04 (2006.01); **F23K 5/02** (2006.01); **H01F 7/02** (2006.01)

CPC (source: AT EP US)

B03C 1/14 (2013.01 - US); **C10G 32/02** (2013.01 - EP US); **F02M 27/045** (2013.01 - AT EP US); **H01F 7/0273** (2013.01 - EP US); **H01F 7/0294** (2013.01 - EP US); **B03C 2201/22** (2013.01 - US); **B03C 2201/30** (2013.01 - US); **C10G 2300/104** (2013.01 - EP US); **C10G 2300/1044** (2013.01 - EP US); **C10G 2300/1051** (2013.01 - EP US); **C10G 2300/1055** (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US); **C10G 2400/04** (2013.01 - EP US); **F23K 2300/101** (2020.05 - EP US)

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 2014082107 A1 20140605; AT 513642 A1 20140615; AT 513642 B1 20141015; CN 104870798 A 20150826; EP 2925996 A1 20151007; EP 2925996 B1 20160608; ES 2593202 T3 20161207; JP 2015537152 A 20151224; KR 20150090168 A 20150805; PL 2925996 T3 20161230; US 2015314303 A1 20151105

DOCDB simple family (application)

AT 2013000188 W 20131108; AT 12542012 A 20121128; CN 201380062033 A 20131108; EP 13798543 A 20131108; ES 13798543 T 20131108; JP 2015544270 A 20131108; KR 20157016797 A 20131108; PL 13798543 T 20131108; US 201314648248 A 20131108