

Title (en)

HEAT EXCHANGING DEVICE, USE THEREOF, AND METHOD FOR HEATING A FLUID

Title (de)

WÄRMEÜBERTRAGER-VORRICHTUNG, VERWENDUNG EINER SOLCHEN UND VERFAHREN ZUR ERWÄRMUNG EINES FLUIDS

Title (fr)

DISPOSITIF ECHANGEUR DE CHALEUR, SON UTILISATION ET PROCEDE POUR CHAUFFER UN FLUIDE

Publication

**EP 1922519 A1 20080521 (DE)**

Application

**EP 06805635 A 20060725**

Priority

- EP 2006007325 W 20060725
- DE 102005040615 A 20050827

Abstract (en)

[origin: DE102005040615A1] The device has two fluid lines (16, 18), and two heat transmitters (10, 12) that are interconnected so that deep-cold hydrogen and cooling agent consecutively and respectively flow through the heat transmitters. The hydrogen and the cooling agent flow along the respective fluid lines, where heat transfer takes place between the hydrogen and the cooling agent in the heat transmitter (12). Heat transfer takes place between the hydrogen that flows in a region (20) and the hydrogen that flows in a region (22) of the fluid line (16) in the heat transmitter (10). An independent claim is also included for a method for heating deep-cold hydrogen by a cooling agent.

IPC 8 full level

**F28D 9/00** (2006.01)

CPC (source: EP)

**F02M 21/0206** (2013.01); **F02M 21/0287** (2013.01); **F02M 21/06** (2013.01); **F28D 9/0075** (2013.01); **F28D 9/0093** (2013.01); **F28F 3/086** (2013.01); **F28D 2021/0033** (2013.01); **F28F 2250/108** (2013.01); **Y02T 10/30** (2013.01)

Citation (search report)

See references of WO 2007025612A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102005040615 A1 20070301**; EP 1922519 A1 20080521; WO 2007025612 A1 20070308

DOCDB simple family (application)

**DE 102005040615 A 20050827**; EP 06805635 A 20060725; EP 2006007325 W 20060725