

Title (en)

METHOD AND DEVICE FOR COMPRESSING A GASEOUS MEDIUM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERDICHTEN EINES GASFÖRMIGEN MEDIUMS

Title (fr)

PROCEDE ET DISPOSITIF DE COMPRESSION D'UN AGENT GAZEUX

Publication

**EP 1792087 B1 20111026 (DE)**

Application

**EP 05768562 A 20050802**

Priority

- EP 2005008370 W 20050802
- DE 102004046316 A 20040924

Abstract (en)

[origin: US2007258828A1] A method and device for compressing a gaseous medium, specifically hydrogen, is disclosed. Compression of the gaseous medium takes place by way of a fluid, where a fluid is used in which the gaseous medium is not soluble and/or can be separated residue-free from the gaseous medium. An ionic fluid, a high-boiling hydraulic oil, or a fluid which has a very low vapor pressure is used as the fluid.

IPC 8 full level

**F04F 1/06** (2006.01); **F04F 1/10** (2006.01)

CPC (source: EP KR US)

**F04F 1/06** (2013.01 - EP KR US); **F04F 1/10** (2013.01 - EP KR US); **C10N 2020/077** (2020.05 - EP US)

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)

**US 2007258828 A1 20071108**; AT E530772 T1 20111115; AU 2005289219 A1 20060406; CA 2581280 A1 20060406; CN 101023272 A 20070822; CN 101023272 B 20120627; DE 102004046316 A1 20060330; EP 1792087 A1 20070606; EP 1792087 B1 20111026; JP 2008514844 A 20080508; JP 4986161 B2 20120725; KR 20070057813 A 20070607; WO 2006034748 A1 20060406; ZA 200702362 B 20080827

DOCDB simple family (application)

**US 57595605 A 20050802**; AT 05768562 T 20050802; AU 2005289219 A 20050802; CA 2581280 A 20050802; CN 200580031909 A 20050802; DE 102004046316 A 20040924; EP 05768562 A 20050802; EP 2005008370 W 20050802; JP 2007532789 A 20050802; KR 20077004889 A 20070228; ZA 200702362 A 20070322