

Title (en)

PRESSURE VESSEL AND METHOD OF HEATING A FLOWING PRESSURISED GAS

Title (de)

DRUCKBEHÄLTER UND VERFAHREN ZUM HEIZEN EINES UNTER DRUCK STEHENDEN GASES

Title (fr)

RÉCIPIENT À PRESSION ET PROCÉDÉ DE CHAUFFAGE D'UN GAZ SOUS PRESSION

Publication

**EP 2941600 B1 20180425 (EN)**

Application

**EP 13870259 A 20131227**

Priority

- SE 1300001 A 20130102
- SE 2013051622 W 20131227

Abstract (en)

[origin: WO2014107132A1] A flowing pressurised gas is heated by being conveyed through a gap (18) between two concentric tubes (16, 17) in a pressure vessel (11, 12, 13). The inner tube (17) is heated by radiant heat from inside and the tube is kept open towards the flow path of the gas in the pressure vessel so that pressure equalisation is obtained between the inside and outside of the inner tube without the tube being part of the flow path of the gas.

IPC 8 full level

**F24H 3/04** (2022.01); **F24H 3/08** (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP SE US)

**F24H 3/0405** (2013.01 - SE); **F24H 3/081** (2013.01 - EP SE US); **H05B 3/44** (2013.01 - EP US); **F24H 9/0063** (2013.01 - EP US); **F24H 2250/02** (2013.01 - EP US); **F28D 7/10** (2013.01 - SE); **F28D 7/106** (2013.01 - EP US); **H05B 2203/014** (2013.01 - EP US); **H05B 2203/022** (2013.01 - EP US)

Cited by

CN110966766A; CN111121279A; WO2021107832A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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