

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

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 2014107132 A1 20140710; DK 2941600 T3 20180625; EP 2941600 A1 20151111; EP 2941600 A4 20160831; EP 2941600 B1 20180425; ES 2672730 T3 20180615; SE 1400002 A1 20140703; US 2015338126 A1 20151126

DOCDB simple family (application)

SE 2013051622 W 20131227; DK 13870259 T 20131227; EP 13870259 A 20131227; ES 13870259 T 20131227; SE 1400002 A 20131227; US 201314758797 A 20131227