

Title (en)

METHOD OF OPERATING A BOILER VESSEL

Title (de)

VERFAHREN ZUM BETREIBEN EINES DAMPFERZEUGER-BEHÄLTERS

Title (fr)

PROCÉDÉ D'OPÉRATION D'UN RÉCIPIENT D'UNE CHAUDIÈRE

Publication

**EP 2526338 B1 20170111 (EN)**

Application

**EP 10795843 A 20101208**

Priority

- US 69019710 A 20100120
- US 2010059389 W 20101208

Abstract (en)

[origin: US2011174240A1] A method of controlling stress in a boiler pressure vessel comprises limiting the diameter of a drum (10) of the boiler pressure vessel and preheating at least a portion of the wall (12) of the drum (10). Limiting the diameter of the drum (10) allows pressure in the drum (10) to be increased for a given mechanical stress. Furthermore, preheating the wall (12) of the drum (10) reduces peak thermally induced stresses in a material from which the drum (10) is fabricated.

IPC 8 full level

**F22B 5/04** (2006.01); **F01K 3/22** (2006.01); **F22B 35/04** (2006.01); **F22B 37/22** (2006.01)

CPC (source: EP US)

**F01K 3/22** (2013.01 - EP US); **F22B 5/04** (2013.01 - EP US); **F22B 35/04** (2013.01 - EP US); **F22B 37/22** (2013.01 - EP US)

Citation (examination)

WO 2008154599 A1 20081218 - BRIGHTSOURCE ENERGY INC [US], et al

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)

**US 2011174240 A1 20110721**; CN 102859276 A 20130102; CN 109028009 A 20181218; EP 2526338 A2 20121128; EP 2526338 B1 20170111; MX 2012008402 A 20121009; WO 2011090576 A2 20110728; WO 2011090576 A3 20120705

DOCDB simple family (application)

**US 69019710 A 20100120**; CN 201080065618 A 20101208; CN 201810606868 A 20101208; EP 10795843 A 20101208; MX 2012008402 A 20101208; US 2010059389 W 20101208