

Title (en)
VERTICAL HEAT RECOVERY STEAM GENERATOR

Title (de)
VERTIKALER ABHITZEDAMPFERZEUGER

Title (fr)
GÉNÉRATEUR DE VAPEUR VERTICAL À RÉCUPÉRATION DE CHALEUR

Publication
EP 3472515 B1 20200624 (DE)

Application
EP 16741612 A 20160719

Priority
EP 2016067169 W 20160719

Abstract (en)
[origin: WO2018014941A1] The invention relates to a vertical heat recovery steam generator, the low-pressure stages of which are designed as a once-through system, comprising a condensate preheater with at least one condensate preheater heating surface (20, 21, 22), through which a flow medium (S) flows and which is disposed in a hot gas channel (1) through which hot gas (H) flows, a low-pressure preheater with at least one low-pressure preheater heating surface (30, 31, 32) through which the flow medium (S) flows and which is disposed in the hot gas channel (1), and a low-pressure evaporator with at least one low-pressure evaporator heating surface (40) through which the flow medium (S) flows and which is disposed in the hot gas channel (1). The flow medium (S) flows successively through the at least one low-pressure preheater heating surface (30, 31, 32) and the at least one low-pressure evaporator heating surface (40) in one pass and without additional pressure compensation.

IPC 8 full level
F22D 11/00 (2006.01); **F22B 21/00** (2006.01); **F22D 1/00** (2006.01)

CPC (source: EP KR US)
F22B 21/00 (2013.01 - EP KR US); **F22B 29/06** (2013.01 - US); **F22B 37/62** (2013.01 - US); **F22D 1/003** (2013.01 - EP KR US); **F22D 11/00** (2013.01 - EP KR US)

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 2018014941 A1 20180125; CA 3031202 A1 20180125; CA 3031202 C 20200721; CN 109477633 A 20190315; CN 109477633 B 20201013; EP 3472515 A1 20190424; EP 3472515 B1 20200624; ES 2819906 T3 20210419; JP 2019522168 A 20190808; JP 6745971 B2 20200826; KR 102229868 B1 20210319; KR 20190026913 A 20190313; PL 3472515 T3 20201214; US 11118781 B2 20210914; US 2019170344 A1 20190606

DOCDB simple family (application)
EP 2016067169 W 20160719; CA 3031202 A 20160719; CN 201680087839 A 20160719; EP 16741612 A 20160719; ES 16741612 T 20160719; JP 2019502700 A 20160719; KR 20197004424 A 20160719; PL 16741612 T 20160719; US 201616314088 A 20160719