

Title (en)
THERMAL EXHAUST AIR TREATMENT PLANT

Title (de)
THERMISCHE ABLUFTREINIGUNGSANLAGE

Title (fr)
INSTALLATION D'ÉPURATION THERMIQUE DE GAZ D'ÉVACUATION

Publication
EP 2547960 B1 20140611 (DE)

Application
EP 11708792 A 20110309

Priority
• DE 102010012005 A 20100315
• EP 2011053551 W 20110309

Abstract (en)
[origin: WO2011113732A1] To provide a thermal exhaust air treatment plant, comprising a combustion chamber and a heat exchanger for transferring heat from a cleaned gas produced in the combustion chamber to an untreated gas to be supplied to the combustion chamber, wherein the heat exchanger comprises an inner heat exchanger chamber through which an inner fluid medium can flow and comprises an outer heat exchanger chamber through which an outer fluid medium can flow, which thermal exhaust air treatment plant permits regulation of the cleaned gas outlet temperature without a reduction in the cleaned gas quality, it is proposed that the thermal exhaust air treatment plant comprises a bypass device with a separating device by means of which a part of the outer fluid flow can be separated, as a bypass fluid flow, from an outer residual fluid flow, and with an admixing device by means of which the bypass fluid flow can be admixed to the residual fluid flow again after the residual fluid flow has passed through a section of the outer heat exchanger chamber.

IPC 8 full level
F23G 7/06 (2006.01)

CPC (source: EP)
F23G 5/50 (2013.01); **F23G 7/066** (2013.01)

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)
DE 102010012005 A1 20110915; CN 102803853 A 20121128; CN 102803853 B 20160413; DK 2547960 T3 20140901;
EP 2547960 A1 20130123; EP 2547960 B1 20140611; HK 1173206 A1 20130510; PL 2547960 T3 20141128; RU 2012143690 A 20140420;
RU 2554965 C2 20150710; WO 2011113732 A1 20110922

DOCDB simple family (application)
DE 102010012005 A 20100315; CN 201180014368 A 20110309; DK 11708792 T 20110309; EP 11708792 A 20110309;
EP 2011053551 W 20110309; HK 13100505 A 20130111; PL 11708792 T 20110309; RU 2012143690 A 20110309