

Title (en)

METHOD FOR OPERATING A GAS TURBINE AND GAS TURBINE FOR PERFORMING THE METHOD

Title (de)

VERFAHREN ZUM BETRIEB EINER GASTURBINE SOWIE GASTURBINE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UNE TURBINE À GAZ AINSI QUE TURBINE À GAZ POUR METTRE EN UVRE LE PROCÉDÉ

Publication

EP 2828504 A1 20150128 (DE)

Application

EP 13710860 A 20130321

Priority

- EP 12160546 A 20120321
- EP 2013055873 W 20130321
- EP 13710860 A 20130321

Abstract (en)

[origin: EP2642097A1] The method involves maintaining the nitrous oxide content of the exhaust gas at a constant level via a regulated return of a portion of the exhaust gas in varying operating conditions of the gas turbine (11). The addition of the ammonia in the selective catalysis device (14) is adjusted to the constant nitrous oxide level. The exhaust gases are directed prior to the selective catalytic reduction in the selective catalytic device by a cooling device (13). An independent claim is included for gas turbine.

IPC 8 full level

F02C 3/34 (2006.01)

CPC (source: EP US)

F02C 3/34 (2013.01 - EP US); **F02C 6/18** (2013.01 - US); **Y02E 20/16** (2013.01 - EP)

Citation (search report)

See references of WO 2013139880A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2642097 A1 20130925; CA 2867229 A1 20130926; CN 104204461 A 20141210; CN 104204461 B 20170322; EP 2828504 A1 20150128; JP 2015514177 A 20150518; JP 6269981 B2 20180131; US 2015000296 A1 20150101; US 9970353 B2 20180515; WO 2013139880 A1 20130926

DOCDB simple family (application)

EP 12160546 A 20120321; CA 2867229 A 20130321; CN 201380015561 A 20130321; EP 13710860 A 20130321; EP 2013055873 W 20130321; JP 2015500918 A 20130321; US 201414489595 A 20140918