

Title (en)

DUAL CIRCUIT COMBUSTION SYSTEM AND METHOD FOR OPERATING SUCH A DUAL CIRCUIT COMBUSTION SYSTEM

Title (de)

ZWEIKREIS-BRENNERSYSTEM UND VERFAHREN ZUM BETRIEB EINES SOLCHEN ZWEIKREIS-BRENNERSYSTEMS

Title (fr)

SYSTÈME DE BRÛLEUR À DEUX CIRCUITS ET PROCÉDÉ DE FONCTIONNEMENT D'UN TEL SYSTÈME DE BRÛLEUR À DEUX CIRCUITS

Publication

EP 2348255 B1 20190703 (DE)

Application

EP 11151874 A 20110124

Priority

DE 102010006276 A 20100125

Abstract (en)

[origin: EP2348255A2] The system (10) has actuators (52) adjusting gas flow rate in inner and outer circles and controlling outer-combustion capacity and inner-combustion capacity. A controlled servomotor (22) is provided with a drive shaft for directing and indirectly driving the actuators. The inner-combustion capacity is modified using the actuators in a portion of an adjusting region, and the outer-combustion capacity is maintained constant, and the outer-combustion capacity is modified in another portion of the adjusting region by the actuators, and the inner-combustion capacity is maintained constant. An independent claim is also included for a method for controlling desired overall performance of a dual circuit combustion system.

IPC 8 full level

F24C 3/12 (2006.01); **F23N 1/00** (2006.01)

CPC (source: EP)

F23N 1/007 (2013.01); **F24C 3/126** (2013.01); **F23D 2900/14062** (2013.01); **F23N 2235/16** (2020.01); **F23N 2235/18** (2020.01)

Cited by

US11732890B2; ITMI20111738A1; EP2930424A1; CN110207108A; US11739933B2; WO2013104498A1; WO2014082755A1

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)

EP 2348255 A2 20110727; **EP 2348255 A3 20120718**; **EP 2348255 B1 20190703**; DE 102010006276 A1 20110728; ES 2745863 T3 20200303

DOCDB simple family (application)

EP 11151874 A 20110124; DE 102010006276 A 20100125; ES 11151874 T 20110124