

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)

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DOCDB simple family (publication)

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

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