

Title (en)

BURNER ASSEMBLY FOR BOILER ASSEMBLY AD METHOD FOR OPERATING SAID BURNER ASSEMBLY.

Title (de)

BRENNERGRUPPE FÜR EINEN KESSEL UND VERFAHREN ZUM BETRIEB DER BRENNERGRUPPE

Title (fr)

INSTALLATION DE BRÛLEUR POUR UNE CHAUDIÈRE ET PROCÉDÉ DE FONCTIONNEMENT DE L'INSTALLATION DE BRÛLEUR

Publication

EP 4235027 A1 20230830 (EN)

Application

EP 23158801 A 20230227

Priority

IT 202200003683 A 20220228

Abstract (en)

A burner assembly for a boiler unit (1) for steam generation extends along a longitudinal axis (A) and comprises:-a plurality of fuel conduits (90; 90a, 90b, 90c) into which, in use, at least one fuel flows in a forward direction (D) ;- a plurality of fuel injection nozzles (91), connected to respective fuel conduits (90; 90a, 90b, 90c) for discharging, in use, fuel into a combustion chamber (3) of the boiler unit (1);-a first manifold (34a; 34b; 34c) connected to a first group of fuel conduits (90a; 90b; 90c) and to a first fuel source by means of a first supply line (30a; 30b; 30c) provided with a first regulating valve (33a; 33b; 33c);-at least a second manifold (34b; 34c; 34a) connected to a second group of fuel conduits (90b; 90c; 90a) and to a source of a second fuel by means of a second supply line (30b; 30c; 30a) provided with a second regulating valve (33b; 33c; 33a); and-a control device (20) configured to regulate the first regulating valve (33a; 33b; 33c) and the second regulating valve (33b; 33c; 33a) based on the energy demand of the boiler unit (1) and based on at least one characteristic parameter of the first fuel and/or the second fuel.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [IA] EP 2481986 A2 20120801 - HITACHI LTD [JP]
- [A] EP 2126471 A2 20091202 - DREIZLER ULRICH [DE]
- [A] US 2020191385 A1 20200618 - CARROLL CHAD [US], et al
- [A] EP 3940293 A1 20220119 - ELCO BURNERS GMBH [DE]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

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