

Title (en)
REGENERATIVE AFTERBURNER

Title (de)
REGENERATIVE NACHVERBRENNUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE POSTCOMBUSTION A EFFET REGENERATIF

Publication
EP 1135652 B1 20041124 (DE)

Application
EP 00977409 A 20000921

Priority
• DE 19948212 A 19991006
• EP 0009244 W 20000921

Abstract (en)
[origin: US6612833B1] A regenerative post-combustion apparatus (1) in a housing (2) in a known manner comprises from top to bottom a combustion chamber (8), a heat exchanger area (7) subdivided into a plurality of segments filled with heat exchanger material, and a rotating distributor (5). The latter depending on its rotational position establishes a connection, on the one hand, between an inlet (3) for waste gas to be cleaned and at least one first segment of the heat exchanger area (7), as well as between at least one second segment of the heat exchanger area (7) and an outlet (10) for cleaned gas. Disposed above the rotating distributor (5) is a burn-out rotary slide valve (31). The latter is subdivided by dividing walls into segments, of which one is closed in the direction of the rotating distributor (5) and communicates with an outlet (68). The other segments of the burn-out rotary slide valve (31) are open in a downward and an upward direction. The burn-out rotary slide valve (31) may be rotated in such a way that its downwardly closed segment may be brought selectively into communication with each of the segments of the heat exchanger area (7). In said segment, thermal regeneration of the heat exchanger material situated there occurs without the normal operation of waste gas cleaning having to be interrupted in the other segments.

IPC 1-7
F23G 7/06; **F23L 15/02**

IPC 8 full level
F23G 5/46 (2006.01); **F23G 7/06** (2006.01); **F23L 15/02** (2006.01)

CPC (source: EP US)
F23G 7/068 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6612833 B1 20030902; AT E283451 T1 20041215; CA 2353398 A1 20010412; CZ 20011993 A3 20021016; DE 19948212 C1 20001130; DE 50008749 D1 20041230; EP 1135652 A1 20010926; EP 1135652 B1 20041124; JP 2003511645 A 20030325; PL 194961 B1 20070731; PL 348068 A1 20020506; WO 0125692 A1 20010412

DOCDB simple family (application)
US 85732401 A 20010531; AT 00977409 T 20000921; CA 2353398 A 20000921; CZ 20011993 A 20000921; DE 19948212 A 19991006; DE 50008749 T 20000921; EP 0009244 W 20000921; EP 00977409 A 20000921; JP 2001528393 A 20000921; PL 34806800 A 20000921