

Title (en)
Combustion chamber

Title (de)
Brennkammer

Title (fr)
Chambre de combustion

Publication
EP 1840464 B1 20170628 (DE)

Application
EP 07101481 A 20070131

Priority
DE 102006015230 A 20060330

Abstract (en)
[origin: EP1840464A1] An optical measuring device (4) for detecting chemi-luminescent radiation is assigned to each burner (A-H) that is connectable to a fuel supply (3) via a fuel valve (2). A pressure sensor detects pressure in the combustion chamber (1). A computing and control device (6) identifies the burner or burner group with highest correlation between the chemiluminescent radiation of each burner and the pressure in the combustion chamber, and controls the corresponding fuel valve to feed more fuel to the identified burner or burner group. An independent claim is also included for a method of controlling combustion operation of burners.

IPC 8 full level
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CPC (source: EP US)
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F23N 2237/02 (2020.01 - EP US)

Citation (examination)
US 2005056024 A1 20050317 - LIEUWEN TIM C [US], et al

Cited by
EP3757460A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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EP 1840464 A1 20071003; **EP 1840464 B1 20170628**; DE 102006015230 A1 20071018; US 2007224559 A1 20070927;
US 7901203 B2 20110308

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