

Title (en)

PROCESS AND BURNER FOR THE COMBUSTION OF LIQUID OR GASEOUS FUELS WITH REDUCED PRODUCTION OF NOX

Publication

EP 0139085 B2 19930818 (DE)

Application

EP 84106790 A 19840614

Priority

DE 3327597 A 19830730

Abstract (en)

[origin: US4575332A] To allow liquid and/or gaseous fuels to be burned with decreased NO_x formation, the combustion air is fed in at axial intervals one after the other. The percentage of primary air is higher than that of secondary air. The injector effect of the primary air draws flue gas out of the firebox and supplies it to a flame-initiation point between the primary-air and secondary-air feeds.

IPC 1-7

F23C 9/06; **F23D 17/00**

IPC 8 full level

F23C 99/00 (2006.01); **F23C 7/00** (2006.01); **F23C 9/00** (2006.01); **F23C 9/06** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)

F23C 7/008 (2013.01 - EP US); **F23C 9/006** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US)

Cited by

DE3600665C1; EP0525734A3; EP0391858A1; EP0527565A3; EP0386732A3; CN106196043A; WO9216793A1

Designated contracting state (EPC)

AT CH DE FR GB LI NL SE

DOCDB simple family (publication)

US 4575332 A 19860311; AT E27854 T1 19870715; DE 3327597 A1 19850207; DE 3327597 C2 19920716; DE 3464283 D1 19870723; EP 0139085 A1 19850502; EP 0139085 B1 19870616; EP 0139085 B2 19930818; JP H0713527 B2 19950215; JP S6038513 A 19850228

DOCDB simple family (application)

US 62471284 A 19840626; AT 84106790 T 19840614; DE 3327597 A 19830730; DE 3464283 T 19840614; EP 84106790 A 19840614; JP 14044284 A 19840706