

Title (en)
Burner with reduced emission of pollutants

Title (de)
Brenner mit reduzierter Schadstoffemission

Title (fr)
Brûleur à l'émission réduite de polluants

Publication
EP 0538684 B1 19970129 (DE)

Application
EP 92117234 A 19921008

Priority
DE 4134979 A 19911023

Abstract (en)
[origin: EP0538684A2] The invention relates to a burner for combustion, which is low in pollutants, of a fuel (natural gas) with an oxidation gas. As a result of the oblong, in particular wedge-shaped design according to the invention of the outlet openings of the admission ducts for the oxidation gas, an NOx reduction is achieved as a result of increased waste gas recirculation and stepwise combustion.

IPC 1-7
F23D 14/22; **F23D 14/32**

IPC 8 full level
F23D 14/58 (2006.01); **F23D 14/22** (2006.01); **F23D 14/32** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP)
F23D 14/22 (2013.01); **F23D 14/32** (2013.01)

Cited by
CN102230631A; US2018335209A1; US10619847B2

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)
EP 0538684 A2 19930428; **EP 0538684 A3 19930714**; **EP 0538684 B1 19970129**; AT E148547 T1 19970215; CZ 282672 B6 19970813; CZ 319692 A3 19930616; DE 4134979 A1 19930429; DE 59207985 D1 19970313; ES 2096693 T3 19970316; SK 319692 A3 19950308

DOCDB simple family (application)
EP 92117234 A 19921008; AT 92117234 T 19921008; CS 319692 A 19921022; DE 4134979 A 19911023; DE 59207985 T 19921008; ES 92117234 T 19921008; SK 319692 A 19921022