

Title (en)
Staged combustor where full load injectors also containing idling injectors

Title (de)
Stufenbrennkammer, deren Vollastbrenner auch Leerlaufbrenner enthalten

Title (fr)
Chambre de combustion à deux têtes fonctionnant du ralenti au plein gaz

Publication
EP 0718560 B1 20000105 (FR)

Application
EP 95402626 A 19951122

Priority
FR 9414014 A 19941123

Abstract (en)
[origin: EP0718560A1] The chamber has axial walls (1) and a base panel, with a series of fuel injectors arranged to define a pilot head (20) and an auxiliary take-off head (21) radially spaced from each other. The pilot head has a series of low-speed injectors (22) of a given permeability rate. The auxiliary head has the same number of low-speed injectors (23) of equal permeability, and an equal number of injectors (24) of higher permeability, arranged in alternation around the circumference of the head. The auxiliary head is located radially outside the pilot head, with a further head including air inlets (9a,b), of two alternating sizes corresponding to the two injection heads, located radially outside both.

IPC 1-7
F23R 3/34; **F23R 3/50**; **F23R 3/10**

IPC 8 full level
F23R 3/10 (2006.01); **F23R 3/34** (2006.01); **F23R 3/50** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
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FR 9414014 A 19941123; DE 69514321 T 19951122; EP 95402626 A 19951122; US 56127595 A 19951121