

Title (en)
Burner with recirculation of exhaust gas

Title (de)
Brenner mit Abgasrückführung

Title (fr)
Brûleur avec récirculation des gaz d'échappement

Publication
EP 0687854 A1 19951220 (EN)

Application
EP 95201537 A 19950612

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Abstract (en)
The invention relates to a process and apparatus for burning gas/air mixtures loaded with recirculated exhaust gas from said burning process wherein said mixture is passed as a premix through a channel (3) to the burner plate (5) provided with passages (12) for the mixture, and wherein a depression is created in said channel sufficient to suck and thereby recirculate a part of the exhaust gas generated at the burning surface and to distribute it throughout the premix. The depression is preferably created by a venturi effect and the exhaust gas may be cooled down during recirculation. <IMAGE>

IPC 1-7
F23C 9/00; **F23D 14/02**; **F23D 14/12**

IPC 8 full level
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CPC (source: EP US)
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Citation (applicant)
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• [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 158 (M - 039) 5 November 1980 (1980-11-05)

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