

Title (en)
Control arrangement for catalytic gas burners

Title (de)
Steuervorrichtung für katalytische Gasbrenner

Title (fr)
Dispositif de commande pour des brûleurs catalytique à gaz

Publication
EP 0757207 B1 19980923 (EN)

Application
EP 96109737 A 19960618

Priority
IT PN950042 A 19950801

Abstract (en)
[origin: EP0757207A1] The control arrangement comprises a thermocouple (15) that detects the temperature of the catalyst (10) and drives an electronic control arrangement (6) which in turn controls an ignition device (12, 13) and a valve (5) supplying gas to the burner (1). During a first operational phase (t0-t2), said valve is caused to close when the temperature of the catalyst (10) rises by a value (A) above a pre-determined temperature value (T) at which the catalytic reaction is triggered; furthermore, said valve (5) is caused to open again when the temperature of the catalyst (10) decreases by a pre-determined value (B) below the value (T + A), wherein B < A. As a result, the catalytic flame of the burner can ignite spontaneously, without any need arising for the ignition device to be operated any more. <IMAGE>

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F23N 5/02; **F23D 14/18**

IPC 8 full level
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Cited by
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