

Title (en)
Burner control apparatus.

Title (de)
Brennerregelungseinrichtung.

Title (fr)
Appareil de contrôle pour brûleur.

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EP 0038193 A1 19811021 (EN)

Application
EP 81301587 A 19810410

Priority
JP 4846580 A 19800411

Abstract (en)
A burner for a furnace comprises an ignitor 42, a pilot valve 44, a main valve 43, an air blower 41, and a damper 37 controlled by a motor 47 to put the air supply into high or low states. These elements are controlled by relays driven by electronic control circuitry, which comprises a combustion control circuit for controlling the start-up sequence (prepurge, ignition trial, pilot stabilization, main ignition trial), together with an air source control circuit for the air source sequence of high and low states. The combustion and air source control circuits are interlocked, and the circuitry is designed to be failsafe, with many features ensuring that the burner is shut down should a proper sequence of operations fail to take place with the proper timing.

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Citation (search report)
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• US 3960320 A 19760601 - SLATER BILLY RAY
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• Techniques Cem, No. 86, 1973, pages 36-46 Paris, FR. J. CROUZET: "Les Equipments de Controle pour Bruleurs a Gaz" * pages 44-45, paragraph: "Equipement GE 236-03" *

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