

Title (en)
DEVICE FOR CONTROLLING THE COMBUSTION MIXTURE OF A BURNER

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Application
EP 80107932 A 19801216

Priority
DE 2950689 A 19791217

Abstract (en)
[origin: US4396369A] A furnace air volume control apparatus for controlling the volume of furnace air to achieve efficient burning is disclosed. The apparatus includes regulating valves positioned within supply air inlets and exhaust gas outlets of the furnace. A measured data receiver positioned on the exhaust gas side transmits a measuring signal to a control unit connected to the regulating valves. The control unit includes a storage unit for storing valve positions assigned to respective burner loads. By monitoring various exhaust gas parameters with the measured data receiver and control unit valve position, adjustment in response to changes in the burner load is possible by comparing a previously stored valve position recalled from the storage unit with a characteristic curve. The valve adjusting value stored in the storage unit is essentially congruent with the change in burner load. After exhaust gas stabilization has occurred in response to different burner loads precise correction of the valve position value occurs.

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Citation (search report)

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