

Title (en)

Damper controller for natural draft heater.

Title (de)

Klappensteuereinrichtung für eine Heizeinrichtung mit natürlichem Zug.

Title (fr)

Dispositif de commande de vanne pour une chaudière à tirage naturel.

Publication

EP 0083479 A1 19830713 (EN)

Application

EP 82306586 A 19821209

Priority

US 33616081 A 19811231

Abstract (en)

A stack damper controller for receiving operator input of a targetted combustion variable and for adjusting the position of the stack damper according to the target value. The controller may include a control logic module for each barrel of the heater, each module including several control loops. The apparatus for controlling at least one stack damper for maintaining stack oxygen content at an optimal level for minimising fuel consumption of a plurality of associated heater barrels in view of system conditions, comprises at least one fuel feed means for feeding fuel to at least one barrel; monitoring means (D.O.P.G.F.) for providing condition signals representative of a plurality of combustion system variables, the monitoring means measuring the excess stack oxygen level for each of the plurality of associated heater barrels and generating an excess stack oxygen signal for each of the barrels and also measuring fuel feed for each fuel feed means and generating a fuel entry signal associated with a fuel feed means; at least one damper control means responsive to a damper control signal for positioning a damper; and control means (21) including a logic module for each barrel.

IPC 1-7

F23N 5/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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