

Title (en)

Control procedure for a boiler plant operating on solid fuel, and corresponding control apparatus.

Title (de)

Kontrollverfahren für Festbrennstoff-Verbrennungsanlage und Kontrolleinrichtung dafür.

Title (fr)

Procédé de contrôle pour chaudière à carburant solide et dispositif de contrôle correspondant.

Publication

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Application

EP 86101087 A 19860128

Priority

FI 850427 A 19850201

Abstract (en)

The invention concerns a procedure for controlling the combustion process in a boiler plant operating on solid fuel, and a corresponding control apparatus. In the procedure, the excess air quantity is optimized on the basis of temperature measurement results, corresponding to various settings of the secondary air hatch, obtained from one temperature sensor (29) in the flue gas passage (24). By the procedure is found the setting of the secondary air hatch consistent with maximum flue gas temperature. The control apparatus comprises one single temperature sensor (29), placed in the flue gas passage (24) and a calculating unit, preferably a microcomputer. The apparatus also comprises a throttling damper (28) disposed in the flue gas passage (24), a primary air hatch, and a secondary air hatch to which the microcomputer with the aid of its optimization programme imparts the setting consistent with maximum flue gas temperature and optimum air excess.

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Citation (search report)

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