

Title (en)

Control system for combustion equipment

Title (de)

Steuersystem für eine Verbrennungsanlage

Title (fr)

Système de commande pour une installation de combustion

Publication

EP 1219899 B1 20060426 (EN)

Application

EP 00128025 A 20001220

Priority

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Abstract (en)

[origin: EP1219899A1] An Intake/exhaust type combustion equipment capable of permitting oxygen in a proper amount required for stable combustion to be constantly fed to the combustion equipment, irrespective of outdoor air conditions. An intake air temperature detection sensor (55) is arranged for detecting a temperature of combustion air fed to a burner (2) by a combustion air feed fan (16) and an oxygen data output element (53a) is arranged for outputting oxygen data corresponding to an oxygen concentration in combustion air depending on the temperature detected by the intake air temperature detection sensor. The oxygen data output element outputs oxygen data on the oxygen concentration or a variation in oxygen concentration based on the detected temperature. A combustion variation unit (53) is configured so as to output a feed rate variation command for varying balance between the amount of fuel fed to the burner and the amount of combustion air fed thereto to ensure that combustion air is fed in a proper amount to the burner, on the basis of the oxygen data. Thus, the combustion variation unit controls a fuel feed element (3) and the combustion air feed fan so that data on the amount of oxygen are obtained from data on a temperature of intake air, to thereby maintain balance between the amount of fuel fed to the burner and the amount of oxygen required for combustion in the burner. <IMAGE>

IPC 8 full level

F23N 1/02 (2006.01)

CPC (source: EP)

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Cited by

EP2362146A1; EP1843094A1; ITVI20100042A1; AU2011202376B2

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