

Title (en)

COMBUSTION METHOD WITH CYCLIC SUPPLY OF OXIDANT

Title (de)

VERBRENNUNGSVERFAHREN MIT ZYKLISCHER OXIDATIONSMITTELZUFUHR

Title (fr)

PROCEDE DE COMBUSTION AVEC ALIMENTATION CYCLIQUE DU COMBURANT

Publication

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Application

EP 05824047 A 20051205

Priority

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Abstract (en)

[origin: WO2006064144A1] The invention concerns a combustion method for industrial furnace comprising an arrangement of two substantially parallel and symmetrical burner assemblies (G, D). Each burner assembly comprises a fuel injector (1_G, 10_D) and three oxidant injectors (1_G, 2_G, 3_G, 1_D, 2_D, 3_D) arranged at increasing distances from the fuel injector. An oxidant supply system cyclically distributes a specific flow of oxidant among some at least of the second and third injectors of the burner assemblies (2_G, 3_G, 2_D, 3_D). The amount of nitrogen monoxide produced upon combustion is thus reduced, while ensuring a good distribution of the heating power in the furnace.

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