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""2.3. Calculation for Oxy-Fuel Combustion""; ""3. COAL IGNITION REACTION MODEL""; ""3.1. Coal Ignition Study for Oxy-Fuel Combustion""; ""3.2. Experimental Procedure""
""3.3. Experimental Results for N₂/O₂ Combustion""""3.4. Lean Flammability Limit for CO₂/O₂ Combustion""; ""3.5. Estimation of Blow-Off Limit for Large-Scale Furnaces""; ""4. A CASE STUDY FOR OXY-FUEL COMBUSTION SYSTEMS""; ""5. CONCLUSION"";
""NOMENCLATURE""; ""REFERENCES""; ""PART II: FUNDAMENTAL RESEARCH FOR OXYFUEL COMBUSTION: NO_X REACTION AND COAL IGNITION""; ""INTRODUCTION""; ""NO_X REACTION""; ""COAL IGNITION"";
""REFERENCES""; ""DEVELOPMENTS IN NO_X EMISSION CONTROL BY a€? REBURNING a€? IN PULVERISED COAL COMBUSTION""; ""ABSTRACT""; ""1. INTRODUCTION""
""1.1. Emissions of Oxides of Nitrogen Resulted from Combustion""""
1.2. Legislations Related To Nitrogen Oxides""; ""1.3. Formation of NO_X during Combustion""; ""1.3.1. Thermal-NO Formation""; ""1.3.2. Prompt NO Formation""; ""1.3.3. Fuel-NOO Formation""; ""2. NO_X EMISSION CONTROL STRATEGIES""; ""2.1. Flue Gas Recirculation (FGR)""; ""2.2. Low-Nox Burners""; ""2.3. Air Staging""; ""2.4. Selective Non-Catalytic Reduction (SNCR)""; ""2.5. Selective Catalytic Reduction (SCR)""; ""2.6. Nox Reduction by Reburning""; ""2.6.1. A Brief Review of Research Activities on Reburning""
""2.6.2 The Principle of Reburning""

Sommario/riassunto

Discusses topical data on coal combustion, such as the mechanisms of coal devolatilisation and the influences of several heating conditions, combustion models for the NO_x and coal ignition reactions as well as an oxy-fuel combustion system, and mineral transformation and ash deposit during coal combustion.
