

Title (en)

ENERGY STORAGE TECHNOLOGY FOR DEMANDED SUPPLY OPTIMISATION

Title (de)

ENERGIESPEICHERUNGSTECHNOLOGIE FÜR BEDARFSGERECHTE STROMVERSORGUNGSOPTIMIERUNG

Title (fr)

TECHNOLOGIE DE STOCKAGE D'ÉNERGIE POUR UNE OPTIMISATION D'ALIMENTATION DEMANDÉE

Publication

**EP 2758638 A2 20140730 (EN)**

Application

**EP 12775833 A 20120918**

Priority

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- GB 2012052300 W 20120918

Abstract (en)

[origin: WO2013041848A2] A comburant gas supply system for a combustion boiler/turbine of a thermal power plant, a combustion boiler/ turbine system and a thermal power plant including the same are described. The gas supply system has an air separation module to separate and output an oxygen rich gas from an input air supply; a comburant gas storage module fluidly connected to the output of the air separation module for storage in liquid state of separated oxygen rich gas; a comburant gas supply module to supply the oxygen rich gas to the combustion boiler selectively from the air separation system and/ or the comburant gas storage system. It is characterized in that the air separation module has an oxygen rich gas output capacity that is determined from a demand rating for the combustion boiler/ turbine adjusted with reference to a load factor across a predetermined operating period and/ or the ASU size is increased to provide longer term energy storage capacity than previous sizing based on load factor.

IPC 8 full level

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Citation (search report)

See references of WO 2013041848A2

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