

Title (en)  
METHOD OF AND SYSTEM FOR GENERATING POWER BY OXYFUEL COMBUSTION

Title (de)  
VERFAHREN UND SYSTEM ZUR ERZEUGUNG VON STROM DURCH OXYFUEL-VERBRENNUNG

Title (fr)  
PROCÉDÉ ET SYSTÈME DE GÉNÉRATION D ÉLECTRICITÉ PAR COMBUSTION OXYGAZ

Publication  
**EP 2318757 A2 20110511 (EN)**

Application  
**EP 09754019 A 20090515**

Priority  
• FI 2009050402 W 20090515  
• US 13047408 A 20080530

Abstract (en)  
[origin: US2009293782A1] A method of generating power by oxyfuel combustion. Carbonaceous fuel and oxidant gas are fed into a furnace. In a first operating mode, the oxidant gas includes a stream of substantially pure oxygen conveyed from an oxygen supply for combusting the fuel with the oxygen to produce exhaust gas including mainly carbon dioxide and water. The exhaust gas is discharged from the furnace and is divided into a recycling portion and an end portion. The recycling portion is recycled to the furnace. Heat is transferred from the end portion to the stream of substantially pure oxygen by circulating a liquid heat transfer medium in a passage between an exhaust gas cooler and an oxygen heater.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2009144366A2

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