Title (en)
METHOD FOR OPERATING A COMBUSTION SYSTEM AND COMBUSTION SYSTEM

Title (de)
VERFAHREN ZUM BETRIEB EINER VERBRENNUNGSANLAGE SOWIE VERBRENNUNGSANLAGE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UNE INSTALLATION DE COMBUSTION ET INSTALLATION DE COMBUSTION

Publication
EP 2174064 A2 20100414 (DE)

Application
EP 08802952 A 20080801

Priority
- EP 2008060152 W 20080801
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Abstract (en)
[origin: EP2026004A1] The method involves operating a steam generator (2) with a fossil fuel, and separating oxygen from air at a process temperature using a membrane (6). The separated oxygen is supplied to a burner (3) for burning with the fossil fuel to produce hot combustion gas. Heat energy is supplied to maintain the required process temperature of the membrane, where the heat energy is obtained from the hot combustion gas in heat exchange with the air. The preheated air is supplied to the membrane, and the separated oxygen is supplied away from the membrane over a conduit (27). An independent claim is also included for a combustion system comprising a heat exchanger.

IPC 8 full level
F23L 7/00 (2006.01)

CPC (source: EP US)
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See references of WO 2009019218A2

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