

Title (en)
FOSSIL-FUELED POWER STATION COMPRISING A CARBON DIOXIDE SEPARATION DEVICE AND METHOD FOR OPERATING A FOSSIL-FUELED POWER STATION

Title (de)
FOSSIL BEFEUERTE KRAFTWERKSANLAGE MIT EINER KOHLENDIOXID-ABSCHIEDEVORRICHTUNG SOWIE VERFAHREN ZUM BETRIEB EINER FOSSIL BEFEUERTEN KRAFTWERKSANLAGE

Title (fr)
CENTRALE ÉLECTRIQUE À COMBUSTIBLE FOSSILE COMPORTANT UN DISPOSITIF DE SÉPARATION DE DIOXYDE DE CARBONE ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE CENTRALE ÉLECTRIQUE À COMBUSTIBLE FOSSILE

Publication
EP 2496798 A2 20120912 (DE)

Application
EP 10775789 A 20101029

Priority
• DE 102009051640 A 20091102
• EP 2010066518 W 20101029

Abstract (en)
[origin: WO2011051473A2] The invention relates to a fossil-fueled power station (1) comprising a steam generator (4), a steam turbine (2) mounted downstream of the steam generator (4) via a hot intermediate superheater line (17) and a carbon dioxide separation device (5). According to the invention, the carbon dioxide separation device (5) is connected to the hot intermediate superheater line (17) via a process steam line (6), a backpressure steam turbine (7) being mounted into the process steam line (6).

IPC 8 full level
F01K 23/10 (2006.01); **F01K 7/22** (2006.01); **F01K 17/04** (2006.01); **F01K 23/14** (2006.01)

CPC (source: EP US)
F01K 7/22 (2013.01 - EP US); **F01K 17/04** (2013.01 - EP US); **F01K 23/10** (2013.01 - EP US); **F01K 23/14** (2013.01 - EP US); **Y02E 20/16** (2013.01 - EP US); **Y02E 20/32** (2013.01 - EP US)

Citation (search report)
See references of WO 2011051473A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011051473 A2 20110505; WO 2011051473 A3 20120308; CN 102597432 A 20120718; EP 2496798 A2 20120912; RU 2012122821 A 20131210; RU 2524588 C2 20140727; US 2012261922 A1 20121018; US 8683809 B2 20140401

DOCDB simple family (application)
EP 2010066518 W 20101029; CN 201080049177 A 20101029; EP 10775789 A 20101029; RU 2012122821 A 20101029; US 201013503453 A 20101029