Title (en)

LOW CO2 THERMAL POWERPLANT

Title (de)

WÄRMEKRAFTANLAGE MIT NIEDRIGEM CO2

Title (fr)

CENTRALE THERMIQUE AVEC UNE BASSE TENEUR EN CO2

Publication

EP 1871993 A1 20080102 (EN)

Application

EP 05737601 A 20050408

Priority

- NO 2005000117 W 20050408
- NO 20051687 A 20050405
- US 66900405 P 20050407

Abstract (en)

[origin: WO2006107209A1] A method for generation of electrical power mainly from a coal based fuel, where the combustion gas is separated into a CO₂ rich stream and a CO₂ poor stream in a CO₂ capturing unit, the CO₂ poor stream is released into the surroundings, and the CO₂ rich stream is prepared for deposition or export, is described. A plant for executing the method and a preferred injector for the plant, is also described.

IPC 8 full level

F01K 23/00 (2006.01); **B01D 53/14** (2006.01); **F23D 1/00** (2006.01); **F23J 15/04** (2006.01)

CPC (source: EP US)

B01D 53/1475 (2013.01 - EP US); **B01D 53/62** (2013.01 - EP US); **F01K 23/067** (2013.01 - EP US); **F23C 6/04** (2013.01 - EP US); **F23C 9/003** (2013.01 - EP US); **F23J 15/006** (2013.01 - EP US); B01D 2257/504 (2013.01 - EP US); F23C 2900/10006 (2013.01 - EP US); F23J 2215/10 (2013.01 - EP US); F23J 2215/50 (2013.01 - EP US); F23J 2217/10 (2013.01 - EP US); F23J 2217/40 (2013.01 - EP US); F23J 2219/10 (2013.01 - EP US); F23J 2219/40 (2013.01 - EP US); F23L 2900/07005 (2013.01 - EP US); Y02A 50/20 (2017.12 - EP US); Y02C 20/40 (2020.08 - EP US); Y02E 20/16 (2013.01 - EP US); Y02E 20/18 (2013.01 - EP US); Y02E 20/32 (2013.01 - EP US); Y02E 20/34 (2013.01 - EP US)

Citation (search report)

See references of WO 2006107209A1

Cited by

CN102953817A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006107209 A1 20061012; CA 2603529 A1 20061012; EP 1871993 A1 20080102; JP 2008534862 A 20080828; RU 2007140880 A 20090520; RU 2378519 C2 20100110; US 2009025390 A1 20090129

DOCDB simple family (application)

NO 2005000117 W 20050408; CA 2603529 A 20050408; EP 05737601 A 20050408; JP 2008505251 A 20050408; RU 2007140880 A 20050408; US 91801505 A 20050408