

Title (en)

POWER PLANT HAVING PURE OXYGEN COMBUSTOR

Title (de)

KRAFTWERK MIT BRENNKAMMER MIT REINEM SAUERSTOFF

Title (fr)

CENTRALE ÉLECTRIQUE AYANT UNE CHAMBRE DE COMBUSTION À OXYGÈNE PUR

Publication

EP 2074290 A4 20170621 (EN)

Application

EP 08753396 A 20080508

Priority

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- KR 20070130109 A 20071213

Abstract (en)

[origin: WO2009031747A1] Provided is a power plant having a pure oxygen combustor. The power plant includes a heat supplying unit supplying a heated steam; a turbine unit generating mechanical energy by rotating a turbine using the heated steam supplied by the heat supplying unit; a power generator converting mechanical energy generated by the turbine unit into electrical energy; a steam condenser condensing steam passing through the turbine unit; and a first combustor disposed at one side of the turbine unit and reheating the steam supplied to the turbine unit by using pure oxygen combustion.

IPC 8 full level

F01K 19/04 (2006.01); **F01K 7/16** (2006.01); **F01K 7/22** (2006.01); **F22G 1/16** (2006.01)

CPC (source: EP)

F01K 7/16 (2013.01); **F01K 7/22** (2013.01); **F22G 1/16** (2013.01); **Y02E 20/32** (2013.01); **Y02E 20/34** (2013.01)

Citation (search report)

- [X] US 2004050067 A1 20040318 - SPROUSE KENNETH M [US], et al
- [X] US 4148185 A 19790410 - SOMERS EDWARD V
- [XYI] WO 9849428 A1 19981105 - WESTINGHOUSE ELECTRIC CORP [US]
- [X] EP 1580483 A1 20050928 - TOSHIBA KK [JP]
- [X] WO 03069132 A1 20030821 - AIR LIQUIDE [FR]
- [X] DE 4409196 A1 19950921 - SIEMENS AG [DE]
- [XYI] US 4498289 A 19850212 - OSGERBY IAN [US]
- [XYI] US 4074708 A 19780221 - HOCHMUTH FRANK WILLIAM
- [XY] WO 9817897 A1 19980430 - WESTINGHOUSE ELECTRIC CORP [US]
- [Y] US 5260640 A 19931109 - CARABETTA RALPH A [US], et al
- See references of WO 2009031747A1

Designated contracting state (EPC)

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