

Title (en)
HYBRID POWER PLANT

Title (de)
HYBRIDKRAFTWERK

Title (fr)
CENTRALE ÉLECTRIQUE HYBRIDE

Publication
EP 2265802 A4 20140319 (EN)

Application
EP 09758812 A 20090302

Priority
• US 2009035630 W 20090302
• US 3223308 P 20080228

Abstract (en)
[origin: WO2009148649A1] A hybrid power plant is described in which a pressurized water nuclear reactor or a biomass-fueled power plant, which have a relatively low operating temperature, such as, is combined with a coal or other fossil fuel power plant having a higher operating temperature. Steam from the first plant is superheated in the second power plant to provide a hybrid plant with improved efficiencies and lower emissions.

IPC 8 full level
F01K 7/34 (2006.01); **F01K 7/16** (2006.01); **F01K 13/00** (2006.01); **F22B 1/02** (2006.01); **F22B 33/00** (2006.01); **F22B 33/18** (2006.01); **G21C 1/07** (2006.01); **G21C 1/08** (2006.01)

CPC (source: EP)
F01K 7/16 (2013.01); **F01K 13/00** (2013.01); **F22B 1/023** (2013.01); **F22B 33/18** (2013.01); **G21D 1/00** (2013.01); **G21D 9/00** (2013.01); **F22B 33/00** (2013.01); **Y02E 30/00** (2013.01)

Citation (search report)
• [X] EP 1430952 A2 20040623 - SIST ECODECO S P A [IT]
• [XY] GB 2431968 A 20070509 - PARSONS BRINCKERHOFF LTD [GB]
• [X] EP 0698763 A2 19960228 - KHANNA RAMESH D [US]
• [Y] DE 2637165 A1 19780223 - HOCHTEMPERATUR REAKTORBAU GMBH
• [A] "REPOWERING. \REAP THE BENEFITS OF ADVANCED TECHNOLOGIES", POWER, MCGRAW-HILL COMPAGNY, NEW YORK, NY, US, vol. 137, no. 7, 1 July 1993 (1993-07-01), pages 13 - 14,16,19, XP000384634, ISSN: 0032-5929
• [A] NOPPENAU H: "COAL, BIOMASS AND WIND EXPERIENCE ON THE DANISH ELECTRICITY MARKET//KOHLE, BIOMASSE UND WIND ERFAHRUNGEN AUF DEM DAENISCHEN ELEKTRIZITAETSMARKT", VGB POWERTECH, VGB POWERTECH, ESSEN, DE, vol. 84, no. 6, 1 January 2004 (2004-01-01), pages 31 - 33, XP001197501, ISSN: 1435-3199
• See references of WO 2009148649A1

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CN108868918A

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
WO 2009148649 A1 20091210; **WO 2009148649 A9 20100325**; BR PI0907973 A2 20190827; CA 2717798 A1 20091210; CN 102105656 A 20110622; CN 102105656 B 20151125; EP 2265802 A1 20101229; EP 2265802 A4 20140319; MX 2010009587 A 20101126

DOCDB simple family (application)
US 2009035630 W 20090302; BR PI0907973 A 20090302; CA 2717798 A 20090302; CN 200980113857 A 20090302; EP 09758812 A 20090302; MX 2010009587 A 20090302