

Title (en)

Power plant and method for operating a power plant assembly

Title (de)

Kraftwerk und Verfahren zum Betreiben einer Kraftwerksanlage

Title (fr)

Centrale électrique et procédé destiné au fonctionnement d'une centrale électrique

Publication

**EP 2647802 A1 20131009 (DE)**

Application

**EP 12163194 A 20120404**

Priority

EP 12163194 A 20120404

Abstract (en)

The method involves operating a power plant in a partial load operation, where a steam turbine of the power plant is divided into a high pressure partial turbine, a medium pressure partial turbine and a low pressure partial turbine. Temperature at an inlet to a reheater unit is increased through a throttling valve that is positioned before the medium pressure partial turbine such that expansion is reduced in the high pressure partial turbine, where the reheater unit is arranged between the high- and medium pressure partial turbines. An independent claim is also included for a power plant.

Abstract (de)

Ein Kraftwerk und ein Verfahren zum Betreiben eines Kraftwerks, wobei im Teillastbetrieb die Temperatur am Ausgang der Hochdruck-Teilturbine durch eine Androsselung mittels des Mitteldruck-Ventils erfolgt.

IPC 8 full level

**F01K 7/22** (2006.01); **F01K 7/24** (2006.01); **F01K 13/02** (2006.01)

CPC (source: EP US)

**F01K 3/262** (2013.01 - US); **F01K 7/025** (2013.01 - US); **F01K 7/22** (2013.01 - EP US); **F01K 7/24** (2013.01 - EP US); **F01K 13/02** (2013.01 - EP US)

Citation (search report)

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2647802 A1 20131009**; CN 104204425 A 20141210; CN 104204425 B 20150916; EP 2805031 A1 20141126; EP 2805031 B1 20151223; IN 7231DEN2014 A 20150424; JP 2015515573 A 20150528; JP 5985737 B2 20160906; PL 2805031 T3 20160630; US 2015113989 A1 20150430; US 9574462 B2 20170221; WO 2013149900 A1 20131010

DOCDB simple family (application)

**EP 12163194 A 20120404**; CN 201380018922 A 20130327; EP 13714254 A 20130327; EP 2013056496 W 20130327; IN 7231DEN2014 A 20140828; JP 2015503823 A 20130327; PL 13714254 T 20130327; US 201314388553 A 20130327