

Title (en)

Steam power plant and method for retrofitting a steam power plant

Title (de)

Dampfkraftwerk sowie Verfahren zum Nachrüsten eines Dampfkraftwerks

Title (fr)

Centrale à vapeur et procédé pour réaménager une centrale à vapeur

Publication

EP 1775430 A1 20070418 (DE)

Application

EP 05022606 A 20051017

Priority

EP 05022606 A 20051017

Abstract (en)

Steam generating power station (12) has a steam heater (14,14',22,22') for supplying compressed heat and a steam heater downstream. A additional turbine (30,34) is designed at 50 percent higher operational speed than normal speed rate of main turbine (18,24). The additional turbine is switched between the steam heater and main turbine, and which is arranged on additional drive shaft (32). An independent claim is also included for the method for retrofitting of steam generating power station.

IPC 8 full level

F01K 7/16 (2006.01)

CPC (source: EP US)

F01K 7/16 (2013.01 - EP US)

Citation (search report)

- [A] US 5533337 A 19960709 - KUSAYAMA YOSIO [JP]
- [A] DE 820600 C 19511112 - GROSSKRAFTWERK MANNHEIM A G
- [A] EP 1445429 A1 20040811 - ELSAM ENGINEERING AS [DK]
- [A] FR 1511106 A 19680126 - STEINMUELLER GMBH L & C
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 447 (M - 1179) 14 November 1991 (1991-11-14)

Cited by

JP2018053896A; US8247919B2; WO2009118332A3

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1775430 A1 20070418; CN 101292075 A 20081022; CN 101292075 B 20110928; EP 1937942 A2 20080702; EP 1937942 B1 20160914; JP 2009511810 A 20090319; JP 4833293 B2 20111207; PL 1937942 T3 20170428; US 2009229267 A1 20090917; US 7975483 B2 20110712; WO 2007045563 A2 20070426; WO 2007045563 A3 20070913

DOCDB simple family (application)

EP 05022606 A 20051017; CN 200680038551 A 20061005; EP 06807006 A 20061005; EP 2006067096 W 20061005; JP 2008534998 A 20061005; PL 06807006 T 20061005; US 8366806 A 20061005