

Title (en)

Fossil fired power plant with heat accumulator

Title (de)

Fossilbefeuetes Kraftwerk mit Wärmespeicher

Title (fr)

Centrale alimentée par une énergie fossile avec accumulateur de chaleur

Publication

EP 2657466 A3 20150311 (DE)

Application

EP 13164893 A 20130423

Priority

DE 102012103617 A 20120425

Abstract (en)

[origin: EP2657466A2] The power plant has a steam generator (7) which is attached and integrated with a steam circuit (1). A steam side of the steam circuit is connected with a heat accumulator (3). The heat accumulator is thermally coupled to a heat exchanger (2). The steam circuit is flow-connected to the heat accumulator, such that the heat energy of the steam from the steam circuit is transferred to the heat accumulator and the heat exchanger. An independent claim is included for a method for storing steam generator in power plant.

IPC 8 full level

F01K 3/00 (2006.01); **F01K 3/18** (2006.01); **F01K 3/24** (2006.01); **F01K 13/02** (2006.01)

CPC (source: EP)

F01K 3/00 (2013.01); **F01K 3/186** (2013.01); **F01K 3/24** (2013.01); **F01K 13/02** (2013.01)

Citation (search report)

- [XYI] US 4164848 A 19790821 - GILLI PAUL V, et al
- [X] DE 102009060089 A1 20110630 - SIEMENS AG [DE]
- [Y] US 4071079 A 19780131 - ENGELBRECHT HANS
- [X] US 6041588 A 20000328 - BRUECKNER HERMANN [DE], et al
- [A] US 2010251712 A1 20101007 - NAKHAMKIN MICHAEL [US]

Cited by

CN111655989A; CN107516905A; WO2015088755A1; US9523285B2

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 2657466 A2 20131030; EP 2657466 A3 20150311; EP 2657466 B1 20190612; DE 102012103617 A1 20131031;
DE 102012103617 B4 20180208; EP 3301266 A2 20180404; EP 3301266 A3 20180523

DOCDB simple family (application)

EP 13164893 A 20130423; DE 102012103617 A 20120425; EP 17200082 A 20130423