

Title (en)
FOSSIL FUEL POWERED POWER PLANT WITH HEAT STORAGE DEVICE DIRECTLY OR INDIRECTLY COUPLED TO THE WATER/STEAM CIRCUIT

Title (de)
FOSSILBEFEUERTES KRAFTWERK MIT DIREKT ODER INDIREKT THERMISCH AN DEN WASSER/DAMPF-KREISLAUF GEKOPPELTEM WÄRMESPEICHER

Title (fr)
CENTRALE ÉLECTRIQUE À COMBUSTIBLE FOSSILE POURVUE D'ACCUMULATEUR THERMIQUE COUPLÉ DIRECTEMENT OU INDIRECTEMENT AU CYCLE DE L'EAU/DE LA VAPEUR

Publication
EP 3301266 A3 20180523 (DE)

Application
EP 17200082 A 20130423

Priority
• DE 102012103617 A 20120425
• EP 13164893 A 20130423

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
• [Y] 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]

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

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