Title (en)
OPERATING METHOD FOR STARTING A ONCE-THROUGH STEAM GENERATOR HEATED USING SOLAR THERMAL ENERGY

Title (de)
BETRIEBSVERFAHREN ZUM ANFAHREN EINES SOLARTHERMISCH BEHEIZTEN ZWANGDURCHLAUFDAMPFERZEUGERS

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT POUR DÉMARRER UN GÉNÉRATEUR DE VAPEUR À CIRCULATION FORCÉE CHAUFFÉ PAR HÉLIOTHERMIE

Publication
EP 3014179 A2 20160504 (DE)

Application
EP 14772073 A 20140820

Priority
• DE 102013217156 A 20130828
• EP 2014067730 W 20140820

Abstract (en)
[origin: WO2015028367A2] The invention relates to an operating method for starting a once-through steam generator heated using solar thermal energy, wherein a flow medium (S) flowing through the once-through steam generator (1) is evaporated and superheated, using a heat carrier medium (W) heated in a solar array, for a steam turbine (2) connected downstream of the once-through steam generator (1) on the flow medium side, wherein, in an operating phase under load, a first desired steady pressure value is predetermined, and in a starting phase preceding the operating phase under load, a second desired steady pressure value is predetermined, in which starting phase evaporated flow medium is diverted around the steam turbine (2) via a steam bypass (6), and controlled by the predetermined second desired steady pressure value.

IPC 8 full level
F22B 35/10 (2006.01); **F22B 1/00** (2006.01)

CPC (source: EP US)
F01K 7/165 (2013.01 - US); **F01K 13/02** (2013.01 - US); **F03G 6/06** (2013.01 - EP); **F22B 1/006** (2013.01 - EP US); **F22B 35/10** (2013.01 - EP US); Y02E 10/46 (2013.01 - EP US)

Citation (search report)
See references of WO 2015028367A2

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)
WO 2015028367 A2 20150305; **WO 2015028367 A3 20150521**; EP 3014179 A2 20160504; IL 243948 A0 20160421; US 2016208657 A1 20160721; ZA 201601062 B 20170531

DOCDB simple family (application)
EP 2014067730 W 20140820; EP 14772073 A 20140820; IL 24394816 A 20160204; US 201414912987 A 20140820; ZA 201601062 A 20160216