

Title (en)

STEAM POWER PLANT FOR GENERATING ELECTRICAL ENERGY

Title (de)

DAMPFKRAFTWERK ZUR ERZEUGUNG ELEKTRISCHER ENERGIE

Title (fr)

CENTRALE THERMIQUE À VAPEUR POUR PRODUIRE DE L'ÉNERGIE ÉLECTRIQUE

Publication

EP 3258074 A1 20171220 (EN)

Application

EP 16174432 A 20160614

Priority

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Abstract (en)

The present invention provides a steam power plant (200, 300, 400) for generating electrical energy. The steam power plant (200, 300, 400) comprises a steam turbine (104) having a plurality of turbine sections (104a, 104b, 104c), a steam generator (102), and a reheating unit (106). Also, the steam power plant (200, 300, 400) comprises a main steam pipeline (110) which fluidically interconnects a steam inlet (114) of the first turbine section (104a) with the steam generator (102), and a hot reheat pipeline (118) which fluidically interconnects the reheating unit (106) with the a steam inlet (120) of a second turbine section (104b). Moreover, the steam power plant (200, 300, 400) comprises a first bypass station (132) which fluidically interconnects the main steam pipeline (110) with the hot reheat pipeline (118). Additionally, the steam power plant (200, 300, 400) comprises a second bypass station (134) which fluidically interconnects the hot reheat pipeline (118) with a condenser (108).

IPC 8 full level

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CPC (source: EP)

F01K 7/025 (2013.01); **F01K 7/165** (2013.01); **F01K 13/02** (2013.01)

Citation (applicant)

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