

Title (en)

A STEAM POWER PLANT WITH POWER BOOST THROUGH THE USE OF TOP HEATER DRAIN REHEATING

Title (de)

DAMPFKRAFTWERK MIT LEISTUNGSVERSTÄRKUNG DURCH VERWENDUNG DER OBEREN HEIZELEMENTABFLUSS-
WIEDERERWÄRMUNG

Title (fr)

CENTRALE THERMIQUE À VAPEUR AVEC AMPLIFICATION DE PUISSANCE GRÂCE À L'UTILISATION D'UN RÉCHAUFFAGE DE DRAIN DE
CHAUFFAGE SUPÉRIEUR

Publication

EP 3244030 A1 20171115 (EN)

Application

EP 16168817 A 20160509

Priority

EP 16168817 A 20160509

Abstract (en)

A power plant having a steam cycle and a water cycle. In order to initiate a load jump steam extracted from the steam cycle is condensed against boiler feed water and directed back into a cold reheat line (10a) between a steam turbine (6) and a reheater (4).

IPC 8 full level

F01K 3/26 (2006.01); **F01K 7/22** (2006.01); **F01K 7/38** (2006.01); **F01K 7/40** (2006.01); **F01K 17/02** (2006.01)

CPC (source: EP)

F01K 3/262 (2013.01); **F01K 7/22** (2013.01); **F01K 7/38** (2013.01); **F01K 7/40** (2013.01); **F01K 17/02** (2013.01)

Citation (applicant)

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- EP 1368555 A1 20031210 - SIEMENS AG [DE]

Citation (search report)

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- [A] DE 4404297 A1 19950824 - RHEINISCHE BRAUNKOHLN AG [DE], et al
- [A] US 4274259 A 19810623 - SILVESTRI JR GEORGE J
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Designated contracting state (EPC)

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