

Title (en)

STEAM TURBINE INSTALLATION AND METHOD FOR OPERATING THE STEAM TURBINE INSTALLATION

Title (de)

DAMPFTURBINENANLAGE UND VERFAHREN ZUM BETREIBEN DER DAMPFTURBINENANLAGE

Title (fr)

INSTALLATION DE TURBINE À VAPEUR ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE INSTALLATION DE TURBINE A VAPEUR

Publication

**EP 2705225 A2 20140312 (DE)**

Application

**EP 12729473 A 20120614**

Priority

- EP 11174006 A 20110714
- EP 2012061251 W 20120614
- EP 12729473 A 20120614

Abstract (en)

[origin: EP2546476A1] The installation has a steam turbine (5) having an overload bypass line (14) with which main steam is fed to a feed water pre-heating unit (11) between steam turbine input and extraction point (9) during overload operation of steam turbine. An auxiliary extraction line (17) is connected to overload bypass line in such a way that process steam is able to extract from the steam turbine during partial load operation of steam turbine so as to add extracted process steam to feed water pre-heating unit for additional pre-heating of feed water. An independent claim is included for method for operating steam turbine installation.

IPC 8 full level

**F01K 7/34** (2006.01); **F01K 7/40** (2006.01); **F01K 7/44** (2006.01); **F01K 13/02** (2006.01); **F22D 1/32** (2006.01)

CPC (source: EP US)

**F01K 7/34** (2013.01 - US); **F01K 7/40** (2013.01 - EP US); **F01K 7/44** (2013.01 - US); **F01K 13/02** (2013.01 - EP US); **F22D 1/32** (2013.01 - EP US); **F22D 1/325** (2013.01 - US)

Citation (search report)

See references of WO 2013007462A2

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DOCDB simple family (publication)

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