

Title (en)

METHOD FOR OPERATING A GAS AND STEAM TURBINE INSTALLATION AND CORRESPONDING INSTALLATION

Title (de)

VERFAHREN ZUM BETREIBEN EINER GAS- UND DAMPFTURBINENANLAGE SOWIE ENTSPRECHENDE ANLAGE

Title (fr)

PROCEDE SERVANT A FAIRE FONCTIONNER UNE INSTALLATION DE TURBINE A GAZ OU A VAPEUR, ET INSTALLATION CORRESPONDANTE

Publication

**EP 1303684 A1 20030423 (DE)**

Application

**EP 01967162 A 20010712**

Priority

- EP 01967162 A 20010712
- EP 0108079 W 20010712
- EP 00115909 A 20000725

Abstract (en)

[origin: WO0208577A1] The invention relates to a method for operating a gas and steam turbine installation (1) comprising a gas turbine (2) which can be operated with gas and with oil. When the turbine is switched from operation with gas to operation with oil, a mixture of partial flows (t12) consisting of a first partial flow (t1) of heated supply water (S') and a second partial flow (t2) of comparatively cold supply water (S) is added to the cold condensate (K) directly and therefore without a heat exchanger. To this end, the installation (1) comprises a supply line (104) leading to the condensate preheater (36) for the heated water (S'), said supply line having a mixing point (103) for supplying the comparatively cold supply water (S).

IPC 1-7

**F01K 23/10**

IPC 8 full level

**F01K 9/00** (2006.01); **F01K 23/10** (2006.01); **F02C 6/18** (2006.01); **F02C 7/22** (2006.01); **F22B 1/18** (2006.01); **F22D 11/00** (2006.01)

CPC (source: EP US)

**F01K 23/106** (2013.01 - EP US)

Citation (search report)

See references of WO 0208577A1

Designated contracting state (EPC)

DE ES GB IT PT

DOCDB simple family (publication)

**WO 0208577 A1 20020131**; BR 0112691 A 20030624; CN 1313714 C 20070502; CN 1443270 A 20030917; DE 50106214 D1 20050616; EP 1303684 A1 20030423; EP 1303684 B1 20050511; ES 2240512 T3 20051016; JP 2004504538 A 20040212; JP 3679094 B2 20050803; TW 541393 B 20030711; US 2004025510 A1 20040212; US 6823674 B2 20041130

DOCDB simple family (application)

**EP 0108079 W 20010712**; BR 0112691 A 20010712; CN 01812890 A 20010712; DE 50106214 T 20010712; EP 01967162 A 20010712; ES 01967162 T 20010712; JP 2002514042 A 20010712; TW 90112627 A 20010525; US 33362603 A 20030123