

Title (en)

GAS AND STEAM TURBINE INSTALLATION AND METHOD FOR OPERATING AN INSTALLATION OF THIS TYPE

Title (de)

GAS- UND DAMPFTURBINENANLAGE UND VERFAHREN ZUM BETREIBEN EINER DERARTIGEN ANLAGE

Title (fr)

SYSTEME DE TURBINE A GAZ ET A VAPEUR ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE CE TYPE

Publication

**EP 1023526 B1 20030212 (DE)**

Application

**EP 98958189 A 19981005**

Priority

- DE 9802941 W 19981005
- DE 19745272 A 19971015

Abstract (en)

[origin: DE19745272A1] A gas- and steam-turbine installation (1,1') including a waste heat steam generator (30) connected down-stream of the gas-turbine (6) on the flue-gas-side, and having its heating surfaces connected into the water-steam circulation (24) of a steam turbine (20), in which a condenser (80) connected down-stream of the steam turbine (20) on the steam side, is cooled via the intake air (A) to be fed to the gas turbine (2). An intake air-line (5) is connected on the incoming side to a compressor assigned to the gas turbine (2), into which the condenser (80) is connected directly on the coolant side. More specifically on the coolant side, the condenser (80) is connected via an intermediate cooling circuit (54) to a heat exchanger (90).

IPC 1-7

**F01K 23/10**

IPC 8 full level

**F01K 23/10** (2006.01); **F02C 7/08** (2006.01)

CPC (source: EP KR US)

**F01K 23/10** (2013.01 - EP KR US)

Cited by

EP4080019A1; EP4080019B1

Designated contracting state (EPC)

CH DE DK ES FI FR GB LI NL SE

DOCDB simple family (publication)

**DE 19745272 A1 19990429**; **DE 19745272 C2 19990812**; CN 1143949 C 20040331; CN 1270656 A 20001018; DE 59807207 D1 20030320; DK 1023526 T3 20030602; EP 1023526 A1 20000802; EP 1023526 B1 20030212; ES 2192799 T3 20031016; ID 24437 A 20000720; JP 2001520342 A 20011030; JP 4153662 B2 20080924; KR 100563517 B1 20060327; KR 20010024500 A 20010326; RU 2200850 C2 20030320; UA 53748 C2 20030217; US 6244035 B1 20010612; WO 9919608 A1 19990422

DOCDB simple family (application)

**DE 19745272 A 19971015**; CN 98809168 A 19981005; DE 59807207 T 19981005; DE 9802941 W 19981005; DK 98958189 T 19981005; EP 98958189 A 19981005; ES 98958189 T 19981005; ID 20000690 A 19981005; JP 2000516142 A 19981005; KR 20007003996 A 20000414; RU 2000112105 A 19981005; UA 00042161 A 19981005; US 55021000 A 20000417