

Title (en)

SYSTEM FOR COOLING COOLING AIR IN A GAS TURBINE, AND METHOD FOR COOLING COOLING AIR

Title (de)

KÜHLSYSTEM ZUR KÜHLUNG VON KÜHLLUFT EINER GASTURBINE UND VERFAHREN ZUR KÜHLUNG VON KÜHLLUFT

Title (fr)

SYSTEME DE REFROIDISSEMENT SERVANT A REFROIDIR L'AIR DE REFROIDISSEMENT D'UNE TURBINE A GAZ ET PROCEDE DE REFROIDISSEMENT DE CET AIR DE REFROIDISSEMENT

Publication

EP 1525380 A1 20050427 (DE)

Application

EP 03787660 A 20030714

Priority

- DE 0302363 W 20030714
- DE 10233948 A 20020725

Abstract (en)

[origin: WO2004016921A1] Disclosed is a gas and steam turbine plant (1) comprising a cooling system (18) which is configured such that said cooling system (18) is suitable for each operational state and cools cooling air (K) that is bled from the compressed air (V), and a heat exchanger system (21) which is mounted on the primary side of a cooling air duct (17) that branches off the compressed air duct. Said heat exchanger system (21) transmits heat that is transported in the cooling air (K) to a flow of combustible gas (23) which is fed to the combustion chamber (6) of the gas turbine.

IPC 1-7

F02C 7/18; **F02C 7/224**

IPC 8 full level

F02C 7/18 (2006.01); **F02C 7/224** (2006.01)

CPC (source: EP KR US)

F02C 7/18 (2013.01 - KR); **F02C 7/185** (2013.01 - EP US); **F02C 7/224** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2004016921A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004016921 A1 20040226; AU 2003257386 A1 20040303; CN 1671956 A 20050921; EP 1525380 A1 20050427; JP 2006509942 A 20060323; KR 20050025678 A 20050314; RU 2005105070 A 20060120; US 2005241320 A1 20051103

DOCDB simple family (application)

DE 0302363 W 20030714; AU 2003257386 A 20030714; CN 03817653 A 20030714; EP 03787660 A 20030714; JP 2004528368 A 20030714; KR 20057001377 A 20050125; RU 2005105070 A 20030714; US 52190405 A 20050120