

Title (en)

COOLING APPARATUS, ESPECIALLY FOR COOLING COMPRESSED AIR

Title (de)

KÜHLVORRICHTUNG, INSBESONDERE ZUM KÜHLEN VON DRUCKLUFT

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DESTINE NOTAMMENT A REFROIDIR DE L'AIR PRESSURISE

Publication

EP 1711770 B1 20101117 (DE)

Application

EP 05700897 A 20050113

Priority

- EP 2005000289 W 20050113
- DE 202004000733 U 20040119

Abstract (en)

[origin: WO2005068925A1] Disclosed is an apparatus for cooling a hot flowing medium, particularly compressed air discharged from a compressor. Said cooling apparatus comprises a cooling member in the form of a cooler grid which is penetrated by the medium that is to be cooled, said cooling member acting as a heat exchanger, and a fan system for directing a flow of cooling air onto a substantially flat cooling air inlet area of the cooling member. According to the invention, the fan system encompasses at least one, preferably several radial fans while a preliminary pressure chamber is disposed upstream of the cooling air inlet area of the cooling member, said preliminary pressure chamber being provided with at least one air intake port to which the air outlet of one respective radial fan is connected.

IPC 8 full level

F28F 9/00 (2006.01); **F01P 5/02** (2006.01); **F28D 1/02** (2006.01)

CPC (source: EP)

F28D 1/024 (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005068925 A1 20050728; AT E488741 T1 20101215; DE 202004000733 U1 20050609; DE 502005010550 D1 20101230; EP 1711770 A1 20061018; EP 1711770 B1 20101117

DOCDB simple family (application)

EP 2005000289 W 20050113; AT 05700897 T 20050113; DE 202004000733 U 20040119; DE 502005010550 T 20050113; EP 05700897 A 20050113