

Title (en)

A METHOD AND ARRANGEMENT FOR CLEANING INTAKE AIR TO A GAS TURBINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REINIGUNG DER ANSAUGLUFT EINER GASTRUBINE

Title (fr)

PROCEDE ET UN DISPOSITIF D'EPURATION DE L'AIR D'ADMISSION D'UNE TURBINE A GAZ

Publication

**EP 0808417 A1 19971126 (EN)**

Application

**EP 96900619 A 19960112**

Priority

- FI 9600027 W 19960112
- FI 950576 A 19950209

Abstract (en)

[origin: WO9624760A1] The invention relates to a method and an arrangement for cleaning the intake air to a compressor of a gas turbine employed in energy generation. Conventionally, mechanical fabric filters are used as the intake air filters of gas turbines. As known, fabric filters are capable of separating particulates of relatively large size only from the air, whereby a portion of the contaminating particles suspended in the air may enter the equipment causing dirt build-up therein. By virtue of the present invention, the intake air can be cleaned at a higher degree of efficiency using a method according to which the mechanical filtering stage of the intake air is combined with at least one electrostatic filtering stage and a complementary stage in which the electrical properties of particulates suspended in the air are improved electrically or chemically.

IPC 1-7

**F02C 7/052**; **B01D 50/00**

IPC 8 full level

**B01D 50/00** (2006.01); **B03C 3/017** (2006.01); **B03C 3/02** (2006.01); **B03C 3/155** (2006.01); **B03C 3/28** (2006.01); **F02C 7/052** (2006.01)

CPC (source: EP)

**B01D 50/00** (2013.01); **B03C 3/017** (2013.01); **F02C 7/052** (2013.01)

Citation (search report)

See references of WO 9624760A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**WO 9624760 A1 19960815**; AU 4450096 A 19960827; CN 1173908 A 19980218; EP 0808417 A1 19971126; FI 101318 B1 19980529; FI 101318 B 19980529; FI 950576 A0 19950209; FI 950576 A 19960810; JP H11501096 A 19990126

DOCDB simple family (application)

**FI 9600027 W 19960112**; AU 4450096 A 19960112; CN 96191843 A 19960112; EP 96900619 A 19960112; FI 950576 A 19950209; JP 52401596 A 19960112