

Title (en)  
SUPERCHARGING SYSTEM FOR GAS TURBINES

Title (de)  
AUFLADESYSTEM FÜR GASTURBINEN

Title (fr)  
SYSTEME DE SURALIMENTATION POUR TURBINES A GAZ

Publication  
**EP 1206634 A1 20020522 (EN)**

Application  
**EP 00968293 A 20000609**

Priority

- US 0015821 W 20000609
- US 13884899 P 19990610
- US 13989499 P 19990622
- US 38892799 A 19990902
- US 15227799 P 19990903
- US 15920799 P 19991013
- US 47515499 A 19991230
- US 19530200 P 20000410

Abstract (en)  
[origin: CA2376788A1] A supercharging system for gas turbine power plants (11). The system includes a supercharging fan (30, 32) and a controller (50) for limiting turbine power output to prevent overload of the generator (28) at lower ambient temperatures. The controller can limit power output by burner control, inlet temperature control, control of supercharging fan pressure and other options. The system can be retrofit on an existing turbine without replacing the generator and associated parts.

IPC 1-7  
**F02C 1/00**; **F02C 9/00**; **E03B 7/10**

IPC 8 full level  
**F01K 23/10** (2006.01); **F02C 3/30** (2006.01); **F02C 3/36** (2006.01); **F02C 6/18** (2006.01); **F02C 7/00** (2006.01); **F02C 7/057** (2006.01); **F02C 7/08** (2006.01); **F02C 7/143** (2006.01); **F02C 9/28** (2006.01); **F04D 27/00** (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP KR)  
**F02C 1/00** (2013.01 - KR); **F02C 3/36** (2013.01 - EP); **F02C 7/143** (2013.01 - EP); **Y02E 20/16** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP)

Cited by  
US9581089B2; US8584464B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
AU 775318 B2 20040729; AU 7823200 A 20010131; BR 0011468 A 20020319; BR 0011468 B1 20100824; CA 2376788 A1 20010104; CN 1304740 C 20070314; CN 1355869 A 20020626; EA 005393 B1 20050224; EA 200200007 A1 20020627; EP 1206634 A1 20020522; EP 1206634 A4 20051012; JP 2003529701 A 20031007; KR 100874508 B1 20081218; KR 20020038921 A 20020524; MX PA01012754 A 20030904

DOCDB simple family (application)  
AU 7823200 A 20000609; BR 0011468 A 20000609; CA 2376788 A 20000609; CN 00808727 A 20000609; EA 200200007 A 20000609; EP 00968293 A 20000609; JP 2001506364 A 20000609; KR 20017015896 A 20011210; MX PA01012754 A 20000609