

Title (en)

PROCESS AND DEVICE FOR OPERATING A GAS TURBINE WITH INTRODUCTION OF ADDITIVES.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETRIEB EINER GASTURBINE MIT ZUFÜHRUNG VON ZUSATZSTOFFEN.

Title (fr)

PROCEDE ET DISPOSITIF POUR LE FONCTIONNEMENT D'UNE TURBINE A GAZ AVEC INJECTION D'ADDITIFS.

Publication

EP 0533652 B1 19950329 (DE)

Application

EP 89901457 A 19890119

Priority

- DE 8900026 W 19890119
- DE 3808016 A 19880310

Abstract (en)

[origin: WO8908803A1] In a process involving at least one burner in a combustion chamber, damage to the components of the gas turbine due to the presence of vanadium in the fuel is prevented by spraying an aqueous solution of a magnesium compound separately into the combustion chamber. A device for carrying out the process consists of a burner (1) known per se with devices for spraying water (2) or steam (3). Said device communicates with a reservoir (4) through a dosing device (5). The invention replaces the use of expensive, oil-soluble magnesium compounds by the simpler, more economical use of water-soluble magnesium salts.

IPC 1-7

F23J 7/00; C10L 10/00; F23L 7/00

IPC 8 full level

F02C 3/30 (2006.01); **C10L 1/12** (2006.01); **C10L 10/00** (2006.01); **C23F 11/00** (2006.01); **F23J 7/00** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP)

C10L 10/00 (2013.01); **F23J 7/00** (2013.01); **F23L 7/002** (2013.01); **F23L 7/005** (2013.01)

Cited by

DE102009014026A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

WO 8908803 A1 19890921; DE 58909147 D1 19950504; EP 0533652 A1 19930331; EP 0533652 B1 19950329; IN 171209 B 19920815; JP 2977569 B2 19991115; JP H03503303 A 19910725

DOCDB simple family (application)

DE 8900026 W 19890119; DE 58909147 T 19890119; EP 89901457 A 19890119; IN 241CA1989 A 19890329; JP 50124689 A 19890119