

Title (en)  
MULTISTAGE COMPRESSOR FOR A GAS TURBINE, COMPRISING DISCHARGE PORTS AND INJECTION PORTS TO STABILIZE THE COMPRESSOR FLOW

Title (de)  
MEHRSTUFIGER VERDICHTER FÜR EINE GASTURBINE MIT ABBLASÖFFNUNGEN UND EINBLASÖFFNUNGEN ZUM STABILISIEREN DER VERDICHTER STRÖMUNG

Title (fr)  
COMPRESSEUR MULTIETAGE POUR UNE TURBINE A GAZ PRESENTANT DES ORIFICES DE PURGE ET DES ORIFICES D'INSUFFLATION POUR STABILISER LE FLUX COMPRIME

Publication  
**EP 1945912 A2 20080723 (DE)**

Application  
**EP 06805486 A 20061026**

Priority  
• DE 2006001889 W 20061026  
• DE 102005052466 A 20051103

Abstract (en)  
[origin: WO2007051444A2] Disclosed is a multistage compressor (1) for a gas turbine, comprising a compressor housing (2), guide vanes (7), impeller vanes (6), a hub area (3), discharge ports (5), and injection ports (4) to stabilize the compressor. The inventive multistage compressor is characterized in that the discharge ports (5) are disposed at least one stage downstream of the injection ports (4), thus solving the problems of prior art while making it possible to significantly increase efficiency and reduce the engine weight.

IPC 8 full level  
**F01D 5/14** (2006.01); **F04D 27/02** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 2007051444A2

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