

Title (en)

METHOD FOR BRAKING A ROTOR OF A TURBINE ENGINE AND A TURNING GEAR FOR DRIVING THE ROTOR OF A TURBINE ENGINE

Title (de)

VERFAHREN ZUM ABBREMSEN EINES ROTORS EINER STRÖMUNGSMASCHINE UND EINE DREHVORRICHTUNG ZUM ANTREIBEN DES ROTORS EINER STRÖMUNGSMASCHINE

Title (fr)

PROCEDE DE FREINAGE D'UN ROTOR D'UNE TURBOMACHINE ET VIREUR PERMETTANT D'ENTRAINER LE ROTOR D'UNE TURBOMACHINE

Publication

**EP 1654443 B1 20070321 (DE)**

Application

**EP 04763286 A 20040716**

Priority

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- EP 03018376 A 20030813
- EP 04763286 A 20040716

Abstract (en)

[origin: EP1507068A1] The machine (1,31) has a rotary device (22) with drive unit with drive shaft (28), supplied by an energy source. During a cooling phase of the turbine, the rotor (3,30) is driven by the unit via the shaft. After conclusion of the cooling phase, and for rotor cooling, the rotor drives the drive unit via the shaft in reverse operation. The drive unit is disconnected from the energy source and connected to a load element. The drive is a hydraulic motor (26), acting as pump in reverse operation, or an electric motor (33), acting as generator. The rotor is born by an oil bearing, and this has its energy supply cut off when the rotor has stopped.

IPC 8 full level

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