

Title (en)

Method of cleaning of a gas turbine rotor within a housing

Title (de)

Verfahren zur Reinigung eines Rotors einer Gasturbine innerhalb eines Gehäuses

Title (fr)

Procédé de nettoyage d'un rotor d'une turbine à gaz à l'intérieur d'un boîtier

Publication

**EP 2752559 A1 20140709 (DE)**

Application

**EP 13150507 A 20130108**

Priority

EP 13150507 A 20130108

Abstract (en)

The method involves directly arranging a rotor (4) within a housing (7), and completely flooding the housing together with the rotor with cleaning fluid (16) for removing contamination on turbine blades of the rotor. The cleaning fluid is energized by ultrasound in the housing, and the rotor is rotated in the cleaning fluid by a shaft (13), where the housing is closed by walls (10', 10''). The rotor is rotated around a rotational axis, where the walls are attached to an inlet of a compressor and to a hot gas outlet of a gas turbine.

Abstract (de)

Durch die Flutung des kompletten Rotors (4) innerhalb eines Gehäuses (7) wird die Reinigung des Rotors beschleunigt, auch wenn dazu das Gehäuse komplett mit einer Reinigungsflüssigkeit (16) geflutet werden muss.

IPC 8 full level

**F01D 25/00** (2006.01); **B08B 3/04** (2006.01); **B08B 9/00** (2006.01)

CPC (source: EP)

**B08B 3/044** (2013.01); **B08B 9/00** (2013.01); **F01D 25/002** (2013.01)

Citation (applicant)

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