

Title (en)
TURBINE COMPRISING AT LEAST ONE ROTOR THAT CONSISTS OF ROTOR DISKS AND A TIE BOLT

Title (de)
TURBINE MIT MINDESTENS EINEM ROTOR BESTEHEND AUS ROTORSCHLEIBEN UND EINEM ZUGANKER

Title (fr)
TURBINE ÉQUIPÉE D'UN ROTOR COMPOSÉ DE DISQUES ROTORIQUES ET D'UN HAUBAN

Publication
EP 2118446 B1 20100630 (DE)

Application
EP 08716885 A 20080215

Priority

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- EP 07005082 A 20070312
- EP 08716885 A 20080215

Abstract (en)
[origin: EP1970533A1] The turbine (1) has a rotor (2) with blades (4) arranged on a periphery of disks (5) in radial planes (3), and a tie rod (6) extending along slots (7) in the disks. An annular spacer (15, 15') fixes a position of the tie rod relative to a center line (M) of the disks, and is arranged in a channel (10, 11). The spacer has through-openings, which are arranged radially relative to the tie rod or to its center line, and extend coaxially. The channel carries cooling medium and is limited by a separating pipe (13, 14) radially outwards, and the through-openings serve for flow of the medium.

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Citation (examination)

- EP 1843009 A1 20071010 - SIEMENS AG [DE]
- US 6773229 B1 20040810 - ITZEL GARY MICHAEL [US], et al
- WO 2009001415 A1 20081231 - MITSUBISHI HEAVY IND LTD [JP], et al
- EP 0384166 A2 19900829 - WESTINGHOUSE ELECTRIC CORP [US]

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WO2022049064A1

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