

Title (en)

NOSE DOME FOR A TURBO MACHINE ROTOR

Title (de)

NASENHAUBE FÜR EINEN TURBOMASCHINENROTOR

Title (fr)

CAPOT NASAL POUR L'ARBRE D'UNE TURBOMACHINE

Publication

**EP 2158404 A1 20100303 (DE)**

Application

**EP 08760534 A 20080605**

Priority

- EP 2008056955 W 20080605
- EP 07012621 A 20070627
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Abstract (en)

[origin: EP2009290A1] The dome (11) has a coupling device for mechanically coupling an impeller (6) and the dome in a radial manner, such that vibration behavior of a turbo-machine rotor is influenced. The impeller exhibits a shaft bore (7) with a cylindrical inner wall (8), where the shaft bore is accessible from outside. The coupling device exhibits a projection (12) and a pressurization unit, where the projection has a cylindrical external wall (13) that is insertable into the shaft bore by formation of an annular gap (14) between the external wall of the projection and the inner wall of the shaft bore.

IPC 8 full level

**F02C 7/04** (2006.01); **F04D 29/053** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009000618A1

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