

Title (en)

MAGNETIC DEVICE FOR DAMPING BLADE VIBRATIONS IN TURBOMACHINES

Title (de)

MAGNETISCHE VORRICHTUNG ZUR DÄMPFUNG VON SCHAUFELSCHWINGUNGEN BEI STRÖMUNGSMASCHINEN

Title (fr)

DISPOSITIF MAGNÉTIQUE D'AMORTISSEMENT DES VIBRATIONS D'AUBE DANS DES TURBOMACHINES

Publication

**EP 2229506 B1 20110629 (DE)**

Application

**EP 08864578 A 20081125**

Priority

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Abstract (en)

[origin: EP2072755A1] The turbo-machine has a blade (1) e.g. turbine blade, aligned along a blade axis (7) and rotatably arranged at a rotation axis, and a housing arranged at the blade. An induction plate (3) is arranged in a blade tip, and magnets (5) e.g. bar magnets, arranged in the housing. The plate is aligned in a plane formed by the rotation axis and a radial direction and made of electrically conductive material. A magnetic northpole and a magnetic southpole lie in a circular path. The path is aligned rotation symmetric to the rotation axis and runs along a circumferential surface of the housing.

IPC 8 full level

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