

Title (en)

BLADE MOUNTING RING FOR A TURBOCHARGER ON AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHAUFELLAGERRING EINES TURBOLADERS EINES KRAFTFAHRZEUG-VERBRENNUNGSMOTORS

Title (fr)

BAGUE DE GUIDAGE D'AUBES D'UN TURBOCOMPRESSEUR D'UN MOTEUR A COMBUSTION INTERNE DE VEHICULE AUTOMOBILE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006066520A1] The invention relates to a blade mounting ring for a turbocharger with variable turbine geometry and turbine blades which may be adjusted in the blade mounting ring on an internal combustion engine for a motor vehicle, comprising an austenitic iron matrix alloy with a sulphur component to achieve a solid lubrication effect on the bearing surfaces thereof with a material embodiment suitable for high performance engines. The above is achieved by means of a blade mounting ring with a proportion of 1 to 6 wt. % of an alloying element or several of said elements from tungsten (W), cobalt (Co), niobium (Nb), rhenium (Re), molybdenum (Mo), tantalum (Ta), vanadium (V), hafnium (Hf), yttrium (Y), zirconium (Zr) or similar.

IPC 8 full level

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