

Title (en)  
SEALING SYSTEM FOR A ROTOR BLADE AND HOUSING

Title (de)  
DICHTUNGSSYSTEM FÜR LAUFSCHAUFEL UND GEHÄUSE

Title (fr)  
SYSTÈME D'ÉTANCHÉITÉ POUR AUBE MOBILE ET CARTER

Publication  
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Application  
**EP 18716910 A 20180321**

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Abstract (en)  
[origin: WO2018197114A1] The invention relates to a ceramic sealing system between a rotor blade (120) and a housing (1"). By means of the combination of a small porous zirconium oxide layer (11) on a turbine rotor blade, which zirconium oxide layer faces a ceramic layer system (15', 15") of higher porosity, durable sealing systems are achieved. The housing (1") has a metal substrate (7), a metal adhesion-promoting layer (10), and a thick, outer, ceramic layer (15', 15") based on zirconium oxide, in particular having a porosity  $\geq 14\%$ .

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Citation (search report)  
See references of WO 2018197114A1

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