

Title (en)  
RESTRAINING DEVICE FOR FAN BLADE ROOT

Title (de)  
VORRICHTUNG ZUM FESTHALTEN DES FUSSES EINES GEBLÄSEFLÜGELS

Title (fr)  
CALE DE RETENUE DU PIED DES AUBES DE SOUFFLANTE

Publication  
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Application  
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Abstract (en)  
[origin: WO2004003390A1] The invention concerns a restraining device (5) consisting of a metal structure having recessed parts filled by overmoulding with a semirigid elastomer material in particular on the lower surface lateral edge (13) between two upstream (10) and downstream (11) end zones of entirely metallic structure, on the upper surface lateral edge (14, 15) between a central zone (12) of essentially metallic structure and the end zones (10, 11), and on the two upper portions (18, 19) of the restraining device (5) which extend between the elastomer lateral edges on either side of the metallic central zone. The metallic structure further comprises a lower recess (21) which extends between the two end zones (10, 11) over its entire surface. Hence the metallic structure acts as a spring leaf during the rotation of the blade following a violent impact.

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