Title (en)

SECURING SYSTEM FOR THE ROTOR BLADES OF AXIAL FLOW TURBO ENGINES

Title (de)

SICHERUNGSSYSTEM FÜR LAUFSCHAUFELN AXIAL DURCHSTRÖMTER TURBOMASCHINEN

Title (fr)

SYSTEME DE RETENUE POUR DES AUBES MOBILES DE TURBOMACHINES A ECOULEMENT AXIAL

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Application

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Abstract (en)

[origin: WO03004834A1] The invention relates to a securing system for rotor blades (10) of axial flow turbo engines, wherein the rotor blades (10) are radially and peripherally secured by means of a rotor base (12) that is inserted in a radially disposed axial groove (14) of a blade support (16). In the axial relation, the rotor blade (10) is secured by a securing body (22) disposed between the rotor base end (13) and the axial groove bottom (15) and engaging behind the back (40) of the blade support (16) opposite the effective axial force with its first end section (26). In addition to these axial and radial securing elements, the inventive securing system (20) is further provided with a securing element (24) that is axially disposed adjacent to the first end section (26) of the securing body (22) and that forms an axial stop (34) for said end section. The invention further relates to a securing body for such a securing system, whose end sections (26, 26') are wider than the axial groove (14) and that, in the mounted state, project only radially outwards from a base element (28) interlinking them.

IPC 1-7

F01D 5/30

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