

Title (en)

ARRANGEMENT FOR AXIALLY SECURING ROTATING BLADES IN A ROTOR AND USE

Title (de)

ANORDNUNG ZUR AXIALSICHERUNG VON LAUFSCHAUFELN IN EINEM ROTOR SOWIE VERWENDUNG

Title (fr)

SYSTEME DE RETENUE AXIALE DE D'AUBES MOBILES DANS UN ROTOR ET UTILISATION DUDIT SYSTEME

Publication

EP 1922471 A1 20080521 (DE)

Application

EP 06778300 A 20060821

Priority

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Abstract (en)

[origin: WO2007028703A1] An arrangement (10) is presented for axially securing rotating blades (14) in a rotor, having a shaft collar (21) on whose external circumference (52) rotating blade securing grooves (12) which extend in the axial direction of the rotor are provided. At one end side face (56) of the shaft collar (21) a projection is arranged in the region of the securing grooves, in which projection a circumferential groove (20) which is open radially towards the outside is provided and said projection having securing grooves (24) which are arranged in each rotating blade (14), sheet-metal-shaped sealing elements (42) which each engage in the circumferential groove (20) and in the securing groove (24) and form an end side sealing ring in the circumferential direction (U) being provided for axially securing the rotating blades (14), and at least one of the sealing elements (42) comprising a sheet metal strip (60) which is attached to said sealing ring in order to secure the sealing elements (42) against displacement in the circumferential direction (U). It is proposed that the sheet metal strips (60) which are attached to the radially inner end of the sealing element (42) be shaped in an L-like manner and be supported on the rotor disc (19).

IPC 8 full level

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CPC (source: EP US)

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