

Title (en)
DEVICE FOR THE AXIAL RETENTION OF BLADE ROOTS IN A TURBINE WHEEL

Publication
EP 0091865 B1 19850619 (FR)

Application
EP 83400696 A 19830406

Priority
FR 8206118 A 19820408

Abstract (en)
[origin: US4470756A] The device has two ring segments (13) held in a circumferential score (11) provided in one edge of the upper surface (8) of the rotor disk. These ring segments consist of a portion of a cylindrical band (17) on whose edges are provided two collars (18, 19) of unequal thickness. The thicker collar (18) is placed between the upper wall of the transverse score (7) made in the projection (6) and the upper wall (8) of the rotor (1). The cylindrical band (17) works in conjunction with the bottom of the circumferential score (11). The thinnest collar (19) leans against the upper wall of the groove. The two segments placed end to end leave between them a space corresponding to the width of one axial notch. By displacing the ring segments in the score, the space is brought opposite the blade to be changed. The locking ring has two pins (21) which engage between the ends of the ring segments and block them in position. Other types of applications are described.

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F01D 5/30

IPC 8 full level
F01D 5/30 (2006.01); **F01D 5/32** (2006.01)

CPC (source: EP US)
F01D 5/3015 (2013.01 - EP US)

Cited by
FR2729709A1; US4701105A; EP2599966A3; FR2971822A1; EP2011969A1; EP0463955A1; FR2663997A1; US5173024A; GB2226856A; FR2641325A1; GB2226856B; US9411016B2; US9039382B2; WO2012114032A1; US9540935B2

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