

Title (en)
Rotor wheel of a turbomachine

Title (de)
Laufgrad eines Turbotriebwerks

Title (fr)
Roue de rotor de turbomachine

Publication
EP 1818507 A1 20070815 (FR)

Application
EP 07290123 A 20070130

Priority
FR 0601098 A 20060208

Abstract (en)
The rotor wheel has disk carrying blades (16) including roots engaged and held in an annular recess (20) in an outer peripheral surface of the disk. The roots are designed to co-operate with an annular sealing gasket (54) mounted on an annular groove (52) of the outer peripheral surface of the disk. The annular gasket exerts a resilient force on blade platforms (44) holding the blades in a proper position for operation when the gasket is in rest state. The annular gasket has an outside diameter greater than that of the mounting groove of gasket, in the free state. An independent claim is also included for an annular sealing gasket for a rotor wheel.

Abstract (fr)
Roue de rotor de turbomachine, cette roue comprenant un disque (24) portant des aubes (16) dont les pieds (18) sont engagés et retenus dans une gorge annulaire (20) du disque, ces pieds étant raccordés à des plates-formes (44) destinées à coopérer avec un joint annulaire (54) monté dans une rainure annulaire du disque, le joint d'étanchéité annulaire (54) exerçant sur les plates-formes (44) des aubes une force élastique maintenant les aubes (16) dans une position correcte de fonctionnement, à l'arrêt de la turbomachine.

IPC 8 full level
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Citation (search report)

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