

Title (en)

Drum rotor for an axial flow turbomachine

Title (de)

Trommelrotor für eine axial durchströmte Turbomaschine

Title (fr)

Rotor à tambour pour une turbomachine à écoulement axial

Publication

EP 0707136 B1 19981125 (DE)

Application

EP 95810615 A 19951003

Priority

DE 4436727 A 19941014

Abstract (en)

[origin: EP0707136A1] At least the first blade groove (10) on the work medium entry side is axially asymmetrically formed by several radii (R1-R4). The first radius (R1) is larger than that following (R2) and the circular arcs (21-24) formed by the radii have a common tangent (T) at their contact points. The blade feet (3) are hammer-shaped. The forces occurring during operation are introduced into the rotor via support points (5) of the blade groove. On the contour of the part of the blade groove described by the radii specific points (A-E) are defined. These points divide the steam entry side contour into circular arcs described by the radii.

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F01D 5/30

IPC 8 full level

F01D 5/06 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP US)

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