

Title (en)  
High pressure steam turbine casing

Title (de)  
Hochdruckdampfturbinengehäuse

Title (fr)  
Carter haute pression pour turbine à vapeur

Publication  
**EP 0566478 B2 20020710 (FR)**

Application  
**EP 93400960 A 19930413**

Priority  
FR 9204812 A 19920417

Abstract (en)  
[origin: EP0566478A1] HP turbine module with rotor wheel with intake of steam with very high characteristics including zones of different designs adapted to the pressure and temperature levels. - Zone A located on the steam intake side includes an assembly consisting of rotor (1), diaphragms (8), internal spool (18), and intake packing carriers (14) which are perfectly isotropic, without a break in the horizontal seal. - The zone P located on the exhaust side where the internal spool (19), produced in two parts, is coupled to the internal spool (18) of the zone A. The internal spool (19) of the zone P may be isotropic and shrunk-on or nonisotropic or bolted. In the zone A the fins (3) are mounted either in axial grooves (31) or in circumferential grooves, while in the zone P, for simplification, the grooves (16) are chosen to be circumferential. Advantage: transverse decrease in the module owing: - to the rotor wheel (1), - to the isotropic front internal spool (18), - to the elimination of the third casing on the intake side. <IMAGE>

IPC 1-7  
**F01D 25/26**; **F01D 25/24**

IPC 8 full level  
**F01D 5/06** (2006.01); **F01D 25/24** (2006.01); **F01D 25/26** (2006.01); **F01K 7/32** (2006.01); **F01K 7/38** (2006.01)

CPC (source: EP US)  
**F01D 25/24** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US)

Cited by  
CN105507964A; CN105804802A; EP2101042A1; EP2101044A1; US8926273B2; WO2009112299A1

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