

Title (en)
Turbine shroud

Title (de)
Turbinen-Mantelring

Title (fr)
Anneau de turbine

Publication
EP 1586743 A1 20051019 (FR)

Application
EP 05290821 A 20050414

Priority
FR 0403925 A 20040415

Abstract (en)
The shroud has sectors (11) reunited end to end with interposition of a sealing system (26). The sealing system has rectilinear strips (27, 28, 29) extending between the adjacent sectors. The strips are housed in respective rectilinear slots (31, 32, 33), where the slots are independent and are arranged opposite to each other in adjacent radial sides of the sectors. An independent claim is also included for a high pressure turbine having a shroud forming an outer cover of a rotor.

Abstract (fr)
Anneau de turbine composé de l'assemblage d'une pluralité de secteurs formant l'enveloppe extérieure du rotor de cette turbine. Les secteurs (11) sont réunis bout à bout avec interposition de systèmes d'étanchéité comprenant des languettes (27, 28, 29) logées dans des fentes, lesdites languettes étant rectilignes et engagées dans des fentes rectilignes (31, 32, 33) respectives des faces radiales desdits secteurs. <IMAGE>

IPC 1-7
F01D 11/00

IPC 8 full level
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CPC (source: EP US)
F01D 11/005 (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US)

Citation (applicant)
US 5997247 A 19991207 - ARRAITZ ANNE-MARIE [FR], et al

Citation (search report)
• [X] US 6575697 B1 20030610 - ARILLA JEAN-BAPTISTE [FR], et al
• [XY] EP 1162346 A2 20011212 - GEN ELECTRIC [US]
• [XY] US 5997247 A 19991207 - ARRAITZ ANNE-MARIE [FR], et al

Cited by
EP2045445A3; CN101852136A; FR2919345A1; FR3070718A1; CN111051649A; EP2045445A2; US9810086B2; US11149574B2; WO2013074165A3; WO2019048766A1

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