

Title (en)
Steam or Gas Turbine

Title (de)
Dampf- oder Gasturbine

Title (fr)
Turbine à vapeur ou turbine à gaz

Publication
EP 1767746 A1 20070328 (EN)

Application
EP 05020703 A 20050922

Priority
EP 05020703 A 20050922

Abstract (en)
A turbine blade/vane comprising a blade/vane airfoil (40, 42) mounted on a base platform (18, 20) and extending along an elongation axis, said base platform (18, 20) in a first basal direction extending between an upstream surface (46, 48) and a downstream surface (50, 52) is provided that due to its design contributes to minimizing the negative and undesired effects of the leakage flows in the turbine section. For this purpose, in said upstream surface (46, 48) a cavity (60, 62) extending along a second basal direction approximately perpendicular to said elongation axis is provided.

IPC 8 full level
F01D 5/30 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP)
F01D 5/30 (2013.01); **F01D 11/08** (2013.01); **F05D 2240/12** (2013.01); **F05D 2240/126** (2013.01); **F05D 2240/80** (2013.01)

Citation (search report)
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• [X] US 5167486 A 19921201 - DETANNE FRANCOIS [FR]
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• [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 093 (M - 133) 29 May 1982 (1982-05-29)
• [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09 30 September 1996 (1996-09-30)

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