

Title (en)
Axial flow turbine

Title (de)
Axialdurchflussturbine

Title (fr)
Turbine à flux axial

Publication
EP 2292897 A1 20110309 (EN)

Application
EP 09169234 A 20090902

Priority
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Abstract (en)
The invention relates to an axial flow turbine having a shroud cavity (10) formed in the stator (4), rotor (3) or both, that circumscribes the shroud (6) of an airfoil (5). A fin (20) is disposed in an end cavity formed within the cavity downstream of the shroud (6). It is arranged within the end cavity so as to reduce secondary losses as leakage flow passing between the shroud (6) and either the stator (4) or rotor (3), depending on the orientation of the airfoil, rejoins the main flow in the flow passage (2).

IPC 8 full level
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CPC (source: EP)
F01D 5/145 (2013.01); **F01D 11/08** (2013.01); **F05D 2240/126** (2013.01); **F05D 2270/17** (2013.01)

Citation (search report)

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