

Title (en)
ROTOR BLADING FOR STEAM TURBINES

Publication
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Application
EP 88103498 A 19880307

Priority
FR 8703390 A 19870312

Abstract (en)
[origin: US4840539A] Moving blading for a steam turbine, the blading comprising blades (1) having respective bodies (3) provided with caps or fins (4), said caps or fins (4) on adjacent blades coming into contact at least during rotation of the blading over a plane surface which is substantially parallel to the radial axis (Z'Z) of the blade and giving rise to blade body twisting by virtue of said contacts (7, 8), the blading being characterized in that, in addition to the contacts (7 and 8) between adjacent caps or fins (4), it includes a link which is provided by means of additional contacts (A, A') free to slide rectilinearly in a plane corresponding to the plane of each cap or fin (4) along an axis which is substantially perpendicular to the axis of rotation OO' of the blading, said additional contacts (A, A') being situated at a relatively large distance from said contacts (7, 8) which give rise to twisting. The invention improves the vibration properties of the blades.

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F01D 5/22

IPC 8 full level
F01D 5/22 (2006.01)

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F01D 5/22 (2013.01 - KR); **F01D 5/225** (2013.01 - EP US)

Cited by
US5730584A; FR2975123A1; FR3137120A1; EP2612996A1; FR3107921A1; US9790802B2; US11988111B2; WO2012156626A1; WO2021176168A1; WO2023247857A1

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