

Title (en)
Rotor for a turbomachine

Title (de)
Rotor für eine Strömungsmaschine

Title (fr)
Rotor pour une turbomachine

Publication
EP 2112328 A1 20091028 (DE)

Application
EP 08007702 A 20080421

Priority
EP 08007702 A 20080421

Abstract (en)
The rotor (1) has blades arranged adjacent to each other in a circumferential direction (6), where the rotor is formed along an axial direction. The blades have an arcuate blade root (5) that is arranged in a groove (2). A damping element (7) is arranged between the blade root and the groove. The blade root is arcuated towards the axial direction. The blade root has a side wall (9) and a lower side (8) aligned towards a rotational axis. The damping element is made of a spring elastic material and arranged between the side wall and the groove.

Abstract (de)
Die Erfindung betrifft einen Rotor (1) für eine Strömungsmaschine, insbesondere eine Dampfturbine, wobei der Rotor (1) Nuten (2) zum Aufnehmen von Schaufelfüßen (5) aufweist, wobei die Nut (2) gebogen ausgeführt ist, wobei zwischen dem Schaufelfuß (5) und der Nut (2) ein Dämpfungselement (7) aus einem federelastischen Material angeordnet ist.

IPC 8 full level
F01D 5/30 (2006.01); **F01D 5/26** (2006.01)

CPC (source: EP)
F01D 5/26 (2013.01); **F01D 5/323** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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