

Title (en)
Rotor for a turbomachine

Title (de)
Rotor für eine Strömungsmaschine

Title (fr)
Rotor pour une turbomachine

Publication
EP 2116693 A1 20091111 (DE)

Application
EP 08008598 A 20080507

Priority
EP 08008598 A 20080507

Abstract (en)
The rotor has a blade (1) arranged in a circumferential direction, where the rotor is formed along an axial direction (10). The blade comprises a blade root (3) e.g. inverted T-root, that is arranged in a groove in the rotor. A damping element (4) is arranged between blade plates (5) e.g. lugs, and comprises damping element segments that are separated from each other, where the segments are designed as balls or ellipsoids. The blade root is bent against the axial direction. The blade root comprises a base plate, and the damping element is arranged between two adjacent base plates.

Abstract (de)
Die Erfindung betrifft einen Rotor für eine Strömungsmaschine, wobei der Rotor einen gebogenen Schaufelfuß (3) aufweist, wobei zwischen benachbarten Schaufelplatten (5) ein Dämpfungselement (4) angeordnet ist, wobei das Dämpfungselement (4) aus einzelnen, separat voneinander getrennten Dämpfungselementsegmenten ausgebildet ist, wodurch Schwingungen der Schaufeln (1) wirksam reduziert werden.

IPC 8 full level
F01D 5/22 (2006.01)

CPC (source: EP)
F01D 5/22 (2013.01); **F05D 2250/232** (2013.01); **F05D 2250/241** (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)
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