

Title (en)
Blade foot for a turbine blade

Title (de)
Schaufelfuß für eine Turbinenschaufel

Title (fr)
Pied d'aube pour une aube de turbine

Publication
EP 2918784 A1 20150916 (DE)

Application
EP 14159497 A 20140313

Priority
EP 14159497 A 20140313

Abstract (en)
[origin: WO2015135787A1] The invention relates to a turbine blade (1) with a blade (2), a blade root (3), and a cover plate (14) between the blade root (3) and the blade (2). The cover plate (14) has a parallelogram (42) with a front surface (40) and a rear surface (41) and a first bearing surface (43) and a second bearing surface (44). The blade (2) has a profiled design and a leading edge (45) and a trailing edge (46), said leading edge (45) pointing towards the front surface (40) and said trailing edge (46) pointing towards the rear surface (41). The front surface (40) has a curvature (20) in at least some sections in order to prevent a plastic deformation during operation.

Abstract (de)
Die Erfindung betrifft eine Turbinenschaufel (1) mit einem rhomboedrisch ausgeführten Schaufelfuß (3), wobei an den Ecken (16, 23, 24) des Rhomboeders eine Krümmung (20) angeordnet ist, die derart ausgeführt ist, dass im Betrieb eine plastische Verformung vermieden wird und nur eine elastische Verformung stattfindet.

IPC 8 full level
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Citation (search report)

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