

Title (en)

Blade root, particularly of a turbine blade, a blade, and a turbomachine assembly

Title (de)

Schaufelfuss, insbesondere einer Turbinenschaufel, Schaufel und Turbomaschinenanordnung

Title (fr)

Pied d'aube, en particulier pour aube de turbine, aube et ensemble pour turbomachine

Publication

EP 2436883 A1 20120404 (EN)

Application

EP 10182370 A 20100929

Priority

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Abstract (en)

A blade root (1) comprises a bottom (10) of the blade root (1), a plurality of opposite pairs of lobes (11,11',12,12',13,13'), and a plurality of opposite pairs of fillets (21,21',22,22',23,23'). The root comprises a plurality of substantially planar flanks (31,31',32,32',33,33'), the lobes and fillets arranged in an alternating order and each of the flanks arranged between one of the lobes and one of the fillets, wherein a first flank (31) of the plurality of flanks is arranged at a distant first position in regards to the bottom (10) of the blade root and having a first planar expansion (A10), and a second flank (32) of the plurality of flanks is arranged at a closer second position in regards to the bottom (10) of the blade root compared to the first position of the first flank (31) and having a second planar expansion (A11), the second planar expansion (A11) being greater than the first planar expansion (A10).

IPC 8 full level

F01D 5/30 (2006.01)

CPC (source: EP)

F01D 5/3007 (2013.01)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

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