

Title (en)
Tilted turbine blade root configuration

Title (de)
Geneigte Turbinenschaufelfußkonfiguration

Title (fr)
Configuration de pied d'aube de turbine inclinée

Publication
EP 2204542 A2 20100707 (EN)

Application
EP 09178822 A 20091211

Priority
US 34630108 A 20081230

Abstract (en)
A rotor blade (120), (126) for use in a turbine engine, the rotor blade (120), (126) comprising a root (138) and, extending in a radial direction from the root (138), an airfoil (136), wherein the root (138) includes at least one root aligned surface (178) that is tilted. Tilted may comprise a non-radial orientation. The root aligned surfaces (178) may comprise the surfaces along the root (138) that are configured to align with and be relatively closely spaced from or in contact with the root aligned surfaces (178) of the root (138) of a neighboring rotor blade (120), (126). The rotor blade (120), (126) may comprise at least two root aligned surfaces (178), one of which resides on a pressure side (143) of the rotor blade (120), (126) and the other of which resides on a suction side (144) of the rotor blade (120), (126). The root aligned surfaces (178) may be tilted.

IPC 8 full level
F01D 5/30 (2006.01)

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Cited by
FR3045709A1; FR3107551A1; WO2017209752A1

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AL BA RS

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