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(54) **Tilted turbine blade root configuration**

(57) 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.

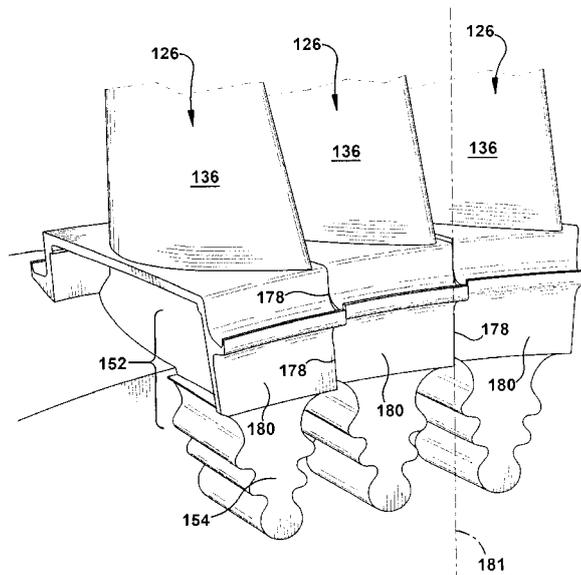


Fig. 8



EUROPEAN SEARCH REPORT

Application Number
EP 09 17 8822

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Place of search Munich		Date of completion of the search 20 February 2013	Examiner Koch, Rafael
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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