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(54) Title: METHOD FOR MAKING GAS TURBINE ENGINE CERAMIC MATRIX COMPOSITE AIRFOIL

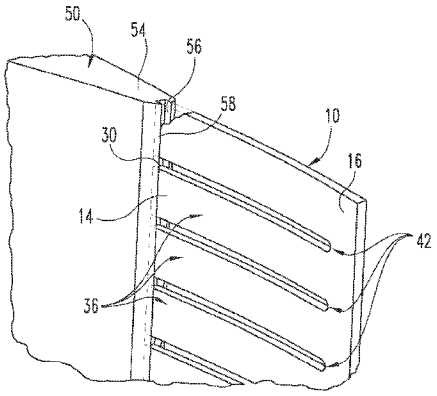


Fig. 2

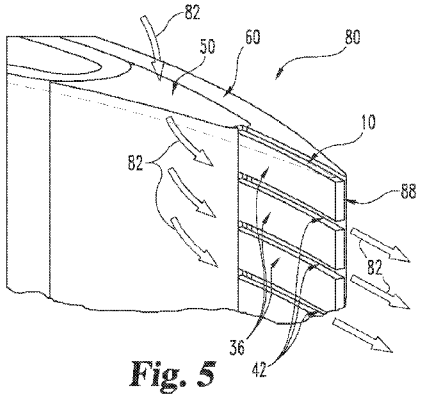


Fig. 5

(57) Abstract: A method for making a gas turbine engine ceramic matrix composite airfoil is disclosed. The method includes fabricating an airfoil preform that has a slotted forward end and a continuous trailing end. The slotted forward end of the airfoil preform is coupled to an airfoil core insert. A ceramic matrix composite covering is applied to cover the slots of the airfoil perform. The continuous trailing end of the airfoil preform is removed to expose the slots. A gas turbine engine airfoil is also disclosed.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/238491 A1 (MORRISON JAY A [US] ET AL) 27 October 2005 (2005-10-27) page 1, paragraph 4; figure 1	1-4,7-22
Y	EP 2 500 548 A1 (IHI CORP [JP]) 19 September 2012 (2012-09-19) page 8, paragraph 68; figure 3	1-22
Y	US 2003/059577 A1 (MORRISON JAY [US] ET AL) 27 March 2003 (2003-03-27) page 3, paragraph 33 - page 4; figures 3, 7, 8 page 4, paragraph 37 - page 5	1-22

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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