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(54) Turbine airfoil and method for controlling a temperature of a turbine airfoil

(57) According to one aspect of the invention, a turbine airfoil (200) includes a platform (202) and a blade (204) extending from the platform (202). The airfoil (200) also includes a slot (208) formed in a slashface (210) of the platform (202), the slot (208) being configured to receive a pressurized fluid via passages (212) and config-

ured to direct the pressurized fluid to a selected region of the turbine airfoil (200). The pressurized fluid forms a barrier to restrict the flow of hot gas across the slashface (210), thus improving the airfoil life.

And corresponding method for controlling the temperature of the airfoil.

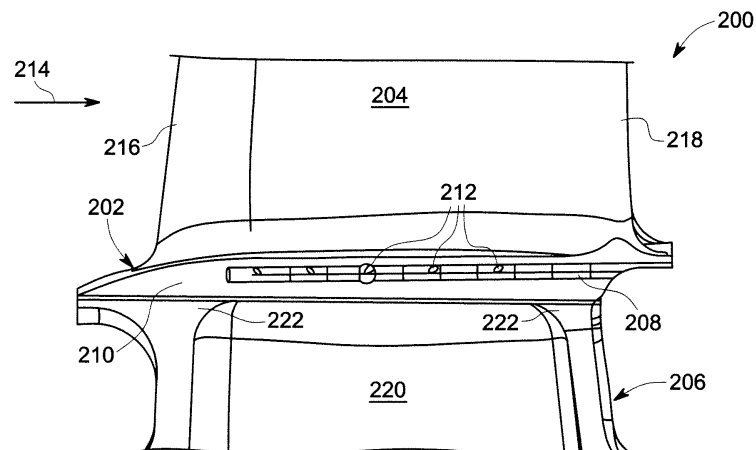


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 5 April 2017	Examiner Delaitre, Maxime
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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