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(54) **TURBINE ROTOR BLADE**

(57) A turbine rotor blade (120) is additively manufactured and includes an airfoil body (122) with a radially extending chamber (134) for receiving a coolant (236) flow. A platform (150) (extends laterally outward relative to the airfoil body (122) and terminates at at least one slash face (230, 230PS, 230SS). A cooling circuit (234) is within the platform (150) and is in fluid communication with a source of the coolant (236) flow. Cooling pas-

sage(s) (172, 240) are in the platform (150) and in fluid communication with the cooling circuit (234). The cooling passage(s) (172, 240) extend in a non-linear configuration from the cooling circuit (234) to exit through the at least one slash face (230, 230PS, 230SS) of the platform (150), providing improved cooling compared to linear cooling passages (172, 240).

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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 1 August 2023	Examiner Raspo, Fabrice
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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