



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
14.06.2017 Bulletin 2017/24

(51) Int Cl.:
F01D 11/12 (2006.01) **F01D 5/28** (2006.01)
F01D 11/08 (2006.01) **F01D 5/20** (2006.01)
F01D 5/14 (2006.01)

(43) Date of publication A2:
05.03.2014 Bulletin 2014/10

(21) Application number: **13179761.5**

(22) Date of filing: **08.08.2013**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

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(30) Priority: **29.08.2012 GB 201215299**

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(54) **A gas turbine blade tip comprising a metallic foam material**

(57) Tip rub in gas turbine engines is a well-known phenomenon, and may lead to increased tip clearances, with consequent detrimental effects on the engine's performance and blade flutter margins. Heavy or repeated rubbing may cause blade tip over temperature leading to cracking and fatigue failure. The invention provides a tip for a gas turbine engine rotor blade, which under contact with the casing surface interacts with the casing surface so as to reduce the contact force and thereby reduce the energy transferred to the blade. The tip may be designed to ablate under contact with the casing surface, or to cut or abrade the casing surface, or to crush or compress or deflect under contact with the casing surface. In a preferred embodiment, the tip comprises fibre-reinforced metallic foam material.

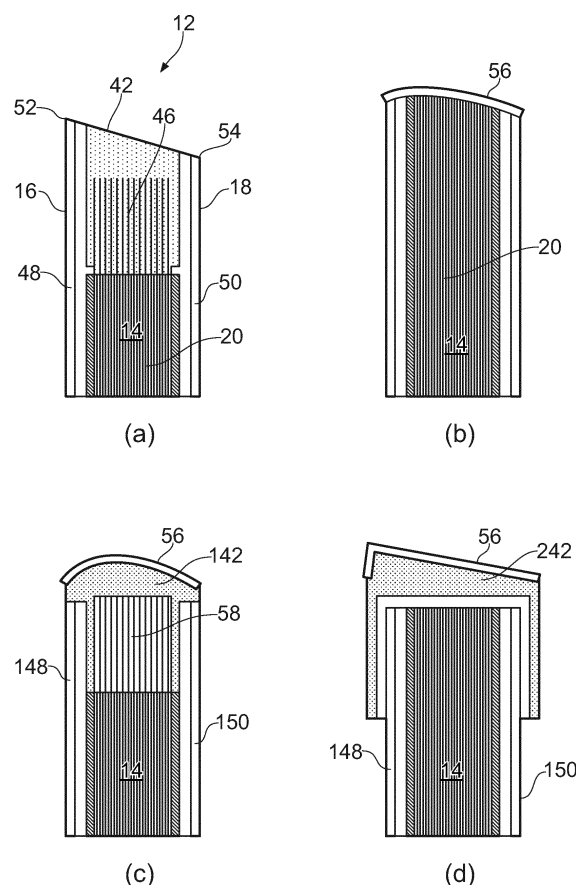


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 13 17 9761

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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 8 May 2017	Examiner Klados, Iason
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EPO FORM 1503 03.82 (P04C01)



EUROPEAN SEARCH REPORT

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