

Title (en)
TURBINE ENGINE ABRADABLE SYSTEMS

Title (de)
ABREIBBARE TURBINENMOTORSYSTEME

Title (fr)
SYSTÈMES ABRADABLES POUR TURBOMOTEUR

Publication
EP 4313909 A1 20240207 (EN)

Application
EP 22716659 A 20220324

Priority
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• US 202263320938 P 20220317
• US 2022021678 W 20220324

Abstract (en)
[origin: WO2022204367A1] In a method for forming an abradable material (36), the abradable material has at least 20% by volume rutile titania (44) and hBN (46). The method includes: blending a first titania powder having an oxygen debit of at least 5.0% with a second titania powder having an oxygen debit, if any, of less than 1.0%. The blend is thermal sprayed. The sprayed blend is then oxidized.

IPC 8 full level
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CPC (source: EP)
C04B 35/111 (2013.01); **C04B 35/119** (2013.01); **C04B 35/185** (2013.01); **C04B 35/20** (2013.01); **C04B 35/22** (2013.01); **C04B 35/46** (2013.01); **C04B 35/462** (2013.01); **C04B 35/486** (2013.01); **C04B 35/583** (2013.01); **C23C 4/10** (2013.01); **C23C 4/134** (2016.01); **C23C 28/04** (2013.01); **C23C 28/048** (2013.01); **F01D 5/20** (2013.01); **F01D 11/122** (2013.01); **C04B 2235/3201** (2013.01); **C04B 2235/3208** (2013.01); **C04B 2235/3227** (2013.01); **C04B 2235/3232** (2013.01); **C04B 2235/3272** (2013.01); **C04B 2235/3427** (2013.01); **C04B 2235/3463** (2013.01); **C04B 2235/3472** (2013.01); **C04B 2235/76** (2013.01); **C04B 2235/767** (2013.01); **F05D 2300/133** (2013.01); **F05D 2300/21** (2013.01); **F05D 2300/211** (2013.01); **F05D 2300/2282** (2013.01); **F05D 2300/6032** (2013.01); **F05D 2300/611** (2013.01)

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