

Title (en)
A WEAR MONITOR FOR A GAS TURBINE ENGINE

Title (de)
VERSCHLEISSMONITOR FÜR EINEN GASTURBINENMOTOR

Title (fr)
DISPOSITIF DE CONTRÔLE D'USURE D'UN MOTEUR À TURBINE À GAZ

Publication
EP 2990660 A1 20160302 (EN)

Application
EP 15182102 A 20150824

Priority
GB 201415201 A 20140828

Abstract (en)
An abradable liner for a gas turbine engine compressor stage, comprising: an abradable body having a radially inner surface over which an aerofoil tip passes in use; a plurality abradable depth indicators extending into the body from the surface; each depth indicator may be filled with a visual indicator. The depth indicator can be observed by a boroscope to provide a simple mechanical visual indication which can be used to provide quick and reliable information as to the extent and pattern of wear in an attrition liner.

IPC 8 full level
F01D 11/12 (2006.01); **F04D 27/00** (2006.01); **F04D 29/16** (2006.01); **F04D 29/52** (2006.01)

CPC (source: EP US)
F01D 11/122 (2013.01 - EP US); **F04D 27/001** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/526** (2013.01 - EP US); **F01D 11/14** (2013.01 - US); **F01D 21/003** (2013.01 - EP US); **F05D 2260/80** (2013.01 - EP US); **F05D 2270/305** (2013.01 - EP US); **F05D 2270/821** (2013.01 - EP US)

Citation (search report)

- [X] US 4329308 A 19820511 - LANGER HERBERT, et al
- [X] EP 2065566 A1 20090603 - UNITED TECHNOLOGIES CORP [US]
- [A] WO 2013050688 A1 20130411 - TURBOMECA [FR]
- [A] FR 2929349 A1 20091002 - SNECMA SA [FR]

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WO2020208316A1; CN113227541A; FR3125316A1; US10428674B2; GB2580789A; FR3091548A1; GB2580789B; FR3095045A1; US11225879B2; WO2020117882A1; US11753957B2

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