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**(54) GAS TURBINE ENGINE COMPONENT COOLING CAVITY WITH VORTEX PROMOTING FEATURES**

KÜHLHOHLRAUM FÜR GASTURBINENMOTORKOMPONENTE WIRBELSTIMULIERENDER FUNKTION

CAVITE DE REFROIDISSEMENT DE COMPOSANTS DE TURBINE A GAZ AVEC ELEMENTS FAVORISANT LA GENERATION DE TOURBILLONS

(84) Designated Contracting States:

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(56) References cited:

**WO-A1-2004/035992 GB-A- 2 498 551**  
**KR-A- 20110 079 075 US-A- 4 514 144**  
**US-A- 5 993 156 US-A1- 2003 086 785**  
**US-A1- 2003 086 785 US-A1- 2006 120 868**  
**US-A1- 2007 014 664 US-A1- 2009 196 733**  
**US-A1- 2010 139 903**

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