

Title (en)
GAS TURBINE HAVING COOLING INSERT

Title (de)
GASTURBINE MIT KÜHLEINSATZ

Title (fr)
TURBINE À GAZ AVEC INSERT DE REFROIDISSEMENT

Publication
EP 2347100 A1 20110727 (DE)

Application
EP 09823098 A 20090904

Priority

- EP 2009061461 W 20090904
- EP 08018754 A 20081027
- EP 09823098 A 20090904

Abstract (en)
[origin: EP2180148A1] The gas turbine has multiple rotor blades arranged at a turbine shaft connected to rotor blade rows, and multiple guide vanes fastened to a turbine case by a blade ring carrier connected to guide vane rows. The blade ring carrier has multiple cooling air holes, and a cooling insert (22) is brought in a cooling air hole.

IPC 8 full level
F01D 25/14 (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)
F01D 5/189 (2013.01 - EP US); **F01D 25/14** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US)

Citation (search report)
See references of WO 2010049195A1

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Designated extension state (EPC)
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EP 2180148 A1 20100428; CN 102197195 A 20110921; CN 102197195 B 20140326; EP 2347100 A1 20110727; EP 2347100 B1 20121017; JP 2012506964 A 20120322; JP 5281166 B2 20130904; US 2011255956 A1 201111020; WO 2010049195 A1 20100506

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EP 08018754 A 20081027; CN 200980142781 A 20090904; EP 09823098 A 20090904; EP 2009061461 W 20090904; JP 2011532553 A 20090904; US 200913125978 A 20090904