

Title (en)
GAS TURBINE ENGINE TIP CLEARANCE CONTROL

Title (de)
KOPFSPIELKONTROLLE FÜR GASTURBINENMOTOR

Title (fr)
COMMANDE DE JEU D'EXTRÉMITÉ DE TURBINE À GAZ

Publication
EP 2805025 B1 20180502 (EN)

Application
EP 12872268 A 20121228

Priority
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• US 2012072133 W 20121228

Abstract (en)
[origin: WO2013141937A1] A gas turbine engine is disclosed having a thermoelectric device capable of changing a tip clearance in a turbomachinery component. In one non-limiting form the turbomachinery component is a compressor. The thermoelectric device can be used in some forms to harvest power derived from a waste heat. The tip clearance control system can include a sensor used to determine a clearance between a tip and a wall of the turbomachinery component.

IPC 8 full level
F01D 11/14 (2006.01)

CPC (source: EP US)
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