

Title (en)

ROTOR KEYHOLE FILLET FOR A GAS TURBINE ENGINE

Title (de)

ROTORSCHLÜSSELLOCHLEISTE FÜR EINEN GASTURBINENMOTOR

Title (fr)

CONGÉ DE ROTOR EN TROU DE SERRURE POUR UN MOTEUR À TURBINE À GAZ

Publication

**EP 2885521 A1 20150624 (EN)**

Application

**EP 13829735 A 20130716**

Priority

- US 201213584890 A 20120814
- US 2013050686 W 20130716

Abstract (en)

[origin: WO2014028157A1] A rotor for a gas turbine engine includes an annular structure having a blade slot. A hub engagement feature is provided on the annular structure. The hub engagement feature includes first and second surfaces transverse to one another and joined by a fillet that is recessed with respect to the first and second surfaces. A method of manufacturing a rotor includes the steps of machining an annular hub engagement feature into a rotor. The hub engagement feature includes first and second surfaces transverse to one another and is joined by a fillet that is recessed with respect to the first and second surfaces. The method includes the step of peening the fillet, and grinding the first and second surfaces.

IPC 8 full level

**F02C 7/00** (2006.01); **F01D 5/02** (2006.01); **F01D 5/06** (2006.01); **F02C 7/32** (2006.01)

CPC (source: EP US)

**F01D 5/025** (2013.01 - US); **F01D 5/026** (2013.01 - EP US); **F01D 5/066** (2013.01 - EP US); **F05D 2260/37** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

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