

Title (en)

TURBINE ENGINE COMPONENT COMPRISING A LEADING EDGE AIRFOIL-TO-PLATFORM FILLET COOLING TUBE

Title (de)

GASTURBINENKOMPONENTE MIT EINER LEITKANTENKÜHLUNG

Title (fr)

REFROIDISSEMENT DU BORD D'ATTAQUE D'UN COMPOSANT DE TURBINE À GAZ

Publication

**EP 2469035 B1 20200401 (EN)**

Application

**EP 11250867 A 20111021**

Priority

US 97741810 A 20101223

Abstract (en)

[origin: EP2469035A2] A turbine engine component (10) includes an airfoil portion having a leading edge (18), a platform (14), a leading edge airfoil to platform fillet (16), and a cooling tube (30) located within said fillet (16). The cooling tube (30) has a flared entrance (31) end and a flared exit end (33). The invention also extends to a core used to form the turbine engine component.

IPC 8 full level

**F01D 9/04** (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)

**B22C 9/10** (2013.01 - EP US); **F01D 5/186** (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F01D 9/041** (2013.01 - US); **F01D 9/065** (2013.01 - EP); **F05D 2240/121** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **F05D 2250/11** (2013.01 - EP US); **F05D 2250/23** (2013.01 - EP US); **F05D 2250/27** (2013.01 - EP); **F05D 2250/323** (2013.01 - EP); **F05D 2250/324** (2013.01 - EP)

Cited by

EP3415250A1

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DOCDB simple family (publication)

**EP 2469035 A2 20120627**; **EP 2469035 A3 20171213**; **EP 2469035 B1 20200401**; US 2012163993 A1 20120628

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