

Title (en)  
Gas turbine component

Title (de)  
Bauteil einer Gasturbine

Title (fr)  
Composant de turbine à gaz

Publication  
**EP 1138878 B1 20080514 (DE)**

Application  
**EP 01108008 A 20010329**

Priority  
DE 10016081 A 20000331

Abstract (en)  
[origin: EP1138878A2] The panel-shaped projecting component has a surface charged by hot gas, and bores for a coolant. At least one plenum chamber (30) is located next to the surface (2) charged by the hot gas, and the coolant passes through it in a convective flow. The coolant bores are formed as blow-out aperture, which extend from the plenum chamber and open into the hot gas-charged surface, thereby generating a coolant film. Plenum chambers and/or blow-out apertures are formed by an EDM process.

IPC 8 full level  
**F01D 5/18** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP US)  
**B22C 9/103** (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US)

Cited by  
CH700320A1; EP3467257A1; US11118474B2; WO2010086402A2; WO2010086402A3

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 1138878 A2 20011004; EP 1138878 A3 20031001; EP 1138878 B1 20080514**; DE 10016081 A1 20011004; DE 50113955 D1 20080626; US 2001036407 A1 20011101; US 6565317 B2 20030520

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**EP 01108008 A 20010329**; DE 10016081 A 20000331; DE 50113955 T 20010329; US 82067901 A 20010330