

Title (en)

COOLABLE COMPONENT AND METHOD FOR THE PRODUCTION OF A THROUGH-OPENING IN A COOLABLE COMPONENT

Title (de)

KÜHLBARES BAUTEIL UND VERFAHREN ZUR HERSTELLUNG EINER DURCHTRITTSÖFFNUNG IN EINEM KÜHLBAREM BAUTEIL

Title (fr)

COMPOSANT A REFROIDIR ET PROCEDE DE REALISATION D'UN ORIFICE DE PASSAGE DANS UN COMPOSANT A REFROIDIR

Publication

**EP 1507957 B1 20050824 (DE)**

Application

**EP 03732591 A 20030514**

Priority

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- EP 0350162 W 20030514

Abstract (en)

[origin: WO03098008A1] The invention relates to through openings for a coolant in a coolable component. The through opening is characterised in that an insert (11) is secured in a first opening (10), reducing the first opening cross-section to a second opening cross-section and is removed from said first opening when a blockage of the second opening diameter occurs as a result of a local increase in temperature and a thermally unstable connection between the insert and the component. According to the invention, the danger of damage to components which are to be cooled, especially turbine blades, as a result of a blockage of fine through openings is significantly reduced.

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**F01D 5/18**

IPC 8 full level

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**WO 03098008 A1 20031127**; AU 2003238523 A1 20031202; CN 100402802 C 20080716; CN 1671948 A 20050921; DE 50301055 D1 20050929; EP 1507957 A1 20050223; EP 1507957 B1 20050824; US 2005118024 A1 20050602; US 7128530 B2 20061031

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