

Title (en)

Cooling of turbine blades or vanes

Title (de)

Kühlung von Turbinenschaufeln oder -flügeln

Title (fr)

Refroidissement d'aubes ou pales de turbine

Publication

**EP 2692991 A1 20140205 (EN)**

Application

**EP 1217885 A 20120801**

Priority

EP 1217885 A 20120801

Abstract (en)

The present invention relates to a turbine assembly (10) comprising a basically hollow aerofoil (12, 12a-12d), with at least a leading edge (14), a trailing edge (16), a pressure side (18) and a suction side (20), which are forming at least a cavity (22) within the hollow aerofoil (12, 12a-12d), and with at least a deflection structure (24, 24e-24f) that is arranged in the at least one cavity (22) and that has a cross section (26), which is oriented basically perpendicular to a direction (28) pointing from the pressure side (18) to the suction side (20). According to the invention the cross section (26) of the at least one deflection structure (24, 24e-24f) has an aerofoil contour (30) and has a curved mean camber line (32).

IPC 8 full level

**F01D 5/18** (2006.01)

CPC (source: EP)

**F01D 5/187** (2013.01); **F05D 2210/33** (2013.01); **F05D 2240/127** (2013.01); **F05D 2250/32** (2013.01); **F05D 2250/70** (2013.01);  
**F05D 2260/2212** (2013.01)

Citation (search report)

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