

Title (en)
Turbine blade

Title (de)
Turbinenschaufel

Title (fr)
Aube de turbine

Publication
EP 1921269 A1 20080514 (DE)

Application
EP 06023377 A 20061109

Priority
EP 06023377 A 20061109

Abstract (en)
The blade (10) has a set of fins (18) arranged in a cooling channel (14) in a sequence of one following the other. The cooling channel extends along a length of a flow-inlet edge (12), where a pair of fins is formed with the respective ribs. The fins are arranged in a shape of ice-skating-step. The fins are formed with front and rear walls (16, 20) in single-piece, and the cooling channel extends parallel to the flow-inlet edge.

Abstract (de)
Die Erfindung betrifft eine Turbinenschaufel (10), mit mehreren Rippen (18), welche aufeinanderfolgend in einem Kühlkanal (14) angeordnet sind, der sich längs einer Strömungseintrittskante (12) erstreckt, und bei der mit jeweils zwei Rippen (18) ein Rippen-Paar (24) gebildet ist, dessen Rippen (18) in Schlittschuhschritt-Form angeordnet sind.

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP US)
F01D 5/147 (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F05D 2250/181** (2013.01 - EP US); **F05D 2250/28** (2013.01 - EP US); **F05D 2250/34** (2013.01 - EP US); **F05D 2250/70** (2013.01 - EP US); **F05D 2260/22141** (2013.01 - EP US)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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