

Title (en)
COOLABLE WALL ELEMENT

Title (de)
KÜHLBARES WANDELEMENT

Title (fr)
ÉLÉMENT DE PAROI POUVANT ÊTRE REFROIDI

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Application
EP 16180939 A 20160725

Priority
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Abstract (en)
The invention relates to a coolable wall element (10) for gas turbines for a hot gas environment, comprising a first surface (12) subjectable to a hot gas and a second surface (14) subjectable to a cooling fluid (17), the first and second surface (12, 14) are arranged opposite to each other, where in the second surface (14) comprises at least one turbulence enhancing element (16) which projects steplike from the second surface (14) to a free ending top (18) of the turbulence enhancing element (16), the top (18) comprises a top surface (20). To provide a coolable wall element (10) with enhanced cooling properties and fewer blockages inside of a cooling channel, it is proposed that the top surface (20) comprises a depression (22).

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Citation (search report)

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