

Title (en)
GAS TURBINE BLADE

Title (de)
GASTURBINENSCHAUFEL

Title (fr)
AUBE DE TURBINE À GAZ

Publication
EP 3018290 A1 20160511 (EN)

Application
EP 15190456 A 20151019

Priority
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• EP 15190456 A 20151019

Abstract (en)
The invention relates to a gas turbine blade. The invention starts from a gas turbine blade which comprises a blade platform having a blade trailing edge side, a blade convex side, a blade concave side and a blade leading edge side. A blade profile portion is connected to the blade platform. A groove is formed in the blade trailing edge side of the blade platform, wherein the groove runs from the blade concave side to the blade trailing edge side. The said groove begins on the blade concave side and exits on the blade trailing edge side. To allow a gas turbine blade with very high thermal and mechanical load capacities, it is proposed in accordance with the invention that the groove (17) comprises a first portion (19) which is curved with respect to a mean camber line (21) of a trailing edge (22) of the blade profile portion (16).

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Citation (applicant)
US 6390775 B1 20020521 - PAZ EDUARDO ENRIQUE [US]

Citation (search report)
• [X] US 2012251331 A1 20121004 - DIETRICH DOUGLAS JAMES [US], et al
• [XD] US 6390775 B1 20020521 - PAZ EDUARDO ENRIQUE [US]
• [A] US 2008063529 A1 20080313 - MILLER WILLIAM JOHN [US], et al

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