

Title (en)
A BLADE, ESPECIALLY A ROTOR BLADE

Publication
EP 0278434 A3 19900131 (EN)

Application
EP 88101712 A 19880205

Priority
US 1178887 A 19870206

Abstract (en)
[origin: EP0278434A2] A rotor blade (10) particularly adapted for turbine engines comprises various injection holes (30, 40A, 40B, 50A, 50B, 60A, 60B) on the blade tip (18) and near the blade tip (18) and on the root plane (44) and near the root plane (44) so directed as to reduce the tip leakage flow crossing the tip and to control the boundary layer by means of fluid curtain and entrainment effects.

IPC 1-7
F01D 5/20; **F01D 5/18**; **F01D 11/10**; **F01D 5/14**

IPC 8 full level
F01D 5/14 (2006.01); **F01D 5/18** (2006.01); **F01D 5/20** (2006.01); **F01D 11/10** (2006.01)

CPC (source: EP)
F01D 5/145 (2013.01); **F01D 5/18** (2013.01); **F01D 5/20** (2013.01); **F01D 11/10** (2013.01); **F04D 29/684** (2013.01)

Citation (search report)

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- US 4020538 A 19770503 - DENNIS RONALD E, et al
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- DE 1024754 B 19580220 - MASCHF AUGSBURG NUERNBERG AG
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Cited by
TR23589A; EP1491722A3; EP1793089A3; CN110863864A; GB2319567A; GB2319567B; DE4003802A1; DE4003802C2; EP1793089A2; WO9412765A1; JP2007154887A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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