

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)

- GB 2077363 A 19811216 - UNITED TECHNOLOGIES CORP
- US 4020538 A 19770503 - DENNIS RONALD E, et al
- GB 2075129 A 19811111 - GEN ELECTRIC
- 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)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0278434 A2 19880817; **EP 0278434 A3 19900131**; **EP 0278434 B1 19940720**; DE 3850681 D1 19940825; DE 3850681 T2 19950309

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