

Title (en)

Improvement of the retention capacity of a dovetail root of a turbomachine blade

Title (de)

Verbesserung der Tragfähigkeit eines Hammerkopffusses für eine Turbomaschinenschaufel

Title (fr)

Amélioration de la capacité de rétention d'une aube à attache marteau dissymétrique

Publication

EP 1496206 B1 20080430 (FR)

Application

EP 04291705 A 20040706

Priority

FR 0308295 A 20030707

Abstract (en)

[origin: EP1496206A1] The process involves modifying an attachment between a journal of an upper lip (5) and a base (8) of a groove (7) by raising the material of a disc (12). The disc is equipped with upper and lower flanks, where the upper flank includes a voluminous lug (31) in order to increase the value of ray (R) in a geometric circle (C) centered on a pivoting axis of a blade and the value of the distance of a crescent (e).

IPC 8 full level

F01D 5/30 (2006.01); **F04D 29/34** (2006.01)

CPC (source: EP US)

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Cited by

EP1726786A1; FR2886336A1

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EP 1496206 A1 20050112; EP 1496206 B1 20080430; CA 2472299 A1 20050107; CA 2472299 C 20121016; DE 602004013400 D1 20080612; DE 602004013400 T2 20090507; ES 2305684 T3 20081101; FR 2857405 A1 20050114; FR 2857405 B1 20050930; JP 2005030395 A 20050203; JP 4047837 B2 20080213; RU 2004120675 A 20060110; RU 2346165 C2 20090210; UA 85164 C2 20090112; US 2005008491 A1 20050113; US 7029237 B2 20060418

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EP 04291705 A 20040706; CA 2472299 A 20040622; DE 602004013400 T 20040706; ES 04291705 T 20040706; FR 0308295 A 20030707; JP 2004196665 A 20040702; RU 2004120675 A 20040706; UA 20040705399 A 20040706; US 87974404 A 20040630