

Title (en)
FAN BLADE AXIAL LOCKING DEVICE

Publication
EP 0113598 B1 19870422 (FR)

Application
EP 83402058 A 19831024

Priority
FR 8218652 A 19821108

Abstract (en)
[origin: US4502841A] An axial locking device for blades of a fan, each blade including a root of dovetail or other re-entrant form engageable by axial sliding in corresponding grooves of the rim of the fan disc. A locking member is provided in the form of a key of parallelepiped form abutting the root of the blade. The key is locked against radially outward motion by a peripheral extension from one longer edge which engages a tab member having a portion which is secured to a front face of the fan rim. The key engages radial slots in the rim and in an alternative embodiment, the key is secured radially by a bolt which passes through a forward part of the rim, an end portion of the key and into a tapped bore of the main body of the rim.

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F01D 5/30

IPC 8 full level
F04D 29/34 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP US)
F01D 5/326 (2013.01 - EP US); **F05D 2250/22** (2013.01 - EP US)

Cited by
GB2299834A; US5624233A; GB2299834B

Designated contracting state (EPC)
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FR 2535793 A1 19840511; FR 2535793 B1 19870410; DE 3371106 D1 19870527; EP 0113598 A1 19840718; EP 0113598 B1 19870422; JP S59101598 A 19840612; JP S6367040 B2 19881222; US 4502841 A 19850305

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FR 8218652 A 19821108; DE 3371106 T 19831024; EP 83402058 A 19831024; JP 20890183 A 19831107; US 54297383 A 19831018