

Title (en)

Method for increasing the service life of rotor blade locking means

Title (de)

Verfahren zur Verlängerung der Lebensdauer der Laufschaufelbefestigung auf einem Rotor

Title (fr)

Procédé pour augmenter la durée de vie des attaches d'aubes sur un rotor

Publication

EP 1207013 B1 20120111 (FR)

Application

EP 01402916 A 20011114

Priority

FR 0014767 A 20001116

Abstract (en)

[origin: EP1207013A1] The rotor comprises a rim (10) on the periphery (12) of which several removable blades are fastened. The blade fasteners comprise a dovetailed groove (14) and a foot fitted in the groove. The groove is shot blasted by projecting balls (1) in order to create a pre-stressed compression in its surface. The shot blasting is carried out by ultrasonics, the balls being projected by the percussion of a vibrating sonotrode (30). The balls are contained in an enclosure (40) in which they form a mist.

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102016100663A1; CN107283119A; US2020055165A1; US11524387B2; US8578745B2; WO2007137902A1

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