

Title (en)

Rotor with blades attached to a hub by bearings contained in a bush

Title (de)

Lauftrad mit Schaufeln, die mittels Lager in einer Hülse an einer Nabe befestigt sind

Title (fr)

Rotor avec pâles attachées à un moyeu par des paliers montés dans un manchon

Publication

EP 1061263 A1 20001220 (EN)

Application

EP 00202051 A 20000608

Priority

IT MI991321 A 19990614

Abstract (en)

A description is given of a twin-blade or multi-blade rotor (33) comprising a hub (30) on which is fixed for each blade (32n) a bush (31) containing in its interior one or more bearings whose outer races are integral with the said bush (31), and whose inner races are integral with a member which is fixed to the said hub (30) and which is connected to the said bush (31), the radially innermost end of a blade (32n) being fixed to the said bush (31), in which rotor the said bush (31) is provided with a hollow extension (31p) in which a cylindrical cavity (31c) is formed, and the end part (32c) of the said blade (32) is also cylindrical and complementary to the said cylindrical cavity (31c), the said bush (31) being provided with means (34, 44, 54, 64, 36n, 36p) for reversibly clamping the said end part (32c) of the blade (32) in the said cylindrical cavity (31c). <IMAGE>

IPC 1-7

F04D 29/36

IPC 8 full level

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CPC (source: EP)

F04D 29/362 (2013.01); **F04D 29/388** (2013.01)

Citation (search report)

- [X] GB 1023824 A 19660323 - AEREX LTD
- [A] GB 254377 A 19260630 - BRAMSON MOGENS LOUIS

Cited by

JP2017019491A; FR3025748A1; EP3009684A1; US10137980B2

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