

Title (en)

Turbomachine rotor, in particular gas turbine rotor

Title (de)

Rotor einer Turbomaschine, insbesondere Gasturbinenrotor

Title (fr)

Rotor d'une turbomachine, notamment rotor d'une turbine à gaz

Publication

EP 1657404 B1 20080102 (DE)

Application

EP 05024246 A 20051108

Priority

DE 102004054930 A 20041113

Abstract (en)

[origin: EP1657404A1] The rotor of especially a gas turbine has each rotor blade anchored by its root in an axial slot in the body of the rotor and secured by locking plates (27) which have a kite-like and especially a parallelogram or rhomboid-like base contour and which are fitted in a position between the rotor body and rotor blades and then in an assembly position rotated relative to the inserted position into the annular slots (28,29) formed in the rotor body and in the blades. An independent claim is included for a gas turbine, especially an aviation jet engine, which has at least one rotor as described.

IPC 8 full level

F01D 5/30 (2006.01)

CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US)

Cited by

EP1905955A1; US8128373B2; US9109457B2; WO2008037550A1; WO2012028653A3; US6769866B1; US8096776B2; JP2010507747A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 05024246 A 20051108; DE 102004054930 A 20041113; DE 502005002392 T 20051108; ES 05024246 T 20051108; US 27129605 A 20051112