

Title (en)
Turbine blades retention system and method

Title (de)
Befestigungssystem für Turbinenschaufeln und Verfahren

Title (fr)
Procédé et système pour la retenue des aubes de turbine

Publication
EP 1788198 A2 20070523 (EN)

Application
EP 06124286 A 20061117

Priority
US 28260305 A 20051121

Abstract (en)
A retention system retains a turbine blade dovetail in a retention ring dovetail slot. The retention system includes a retention opening (20, 30) formed in the blade dovetail (16). A through hole (22) is formed in the retention ring (14), wherein the through hole is positioned such that it is aligned with the retention opening when the dovetail is assembled in the dovetail slot (18). A connector (24) is disposed in the through hole and engages the retention opening. In this manner, undesirable relative movement of parts can be reduced or eliminated, thereby preventing excessive wear.

IPC 8 full level
F01D 5/30 (2006.01)

CPC (source: EP)
F01D 5/326 (2013.01)

Cited by
US2018347586A1; US11053805B2; DE102009003714B4; US11098732B2; CN114810220A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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