

Title (en)

Bearing device of a variable guide vane in an axial turbomachine

Title (de)

Lagervorrichtung einer verstellbaren Leitschaufel in einer Axialturbomaschine

Title (fr)

Dispositif de guidage d'aube de stator à calage variable dans une turbomachine axiale

Publication

EP 1777375 B1 20140716 (FR)

Application

EP 06076731 A 20060918

Priority

FR 0553159 A 20051018

Abstract (en)

[origin: EP1777375A1] The turbine stator guide for a blade (22) with a platform (23) and a pivot (24) located inside the turbine housing (3) includes a bearing (23b1, 26b1) that is integral with the platform. The bearing is in the form of an annular rib (26b1) that fits into a matching groove (23b1), the rib projecting from a flange (26b) adjoining the cylindrical portion (26a) of a bush located between the pivot and housing and adjacent to the end of the pivot sleeve (25). The position of the blade is controlled by a lever on the end of its pivot.

IPC 8 full level

F01D 17/16 (2006.01); **F01D 25/16** (2006.01); **F02C 7/06** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US); **F05D 2240/50** (2013.01 - EP US); **F05D 2250/231** (2013.01 - EP US)

Cited by

DE102017222209A1; EP2622178A4; US10982558B2

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EP 1777375 A1 20070425; **EP 1777375 B1 20140716**; FR 2892147 A1 20070420; FR 2892147 B1 20100917; US 2008025837 A1 20080131; US 7661925 B2 20100216

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