

Title (en)

Supporting pivot shafts of variable guide vanes for turbomachines

Title (de)

Lagerung der Schwenkachsen von verstellbaren Leitschaufeln von Turbomaschinen

Title (fr)

Dispositif de guidage en rotation d'aubes à calage variable dans une turbomachine

Publication

**EP 1496208 B1 20140507 (FR)**

Application

**EP 04291720 A 20040707**

Priority

FR 0308435 A 20030710

Abstract (en)

[origin: EP1496208A1] The device has a fixing unit (22) externally surrounding a crankcase (10) of a turbomachine including multiple blades. Each blade has a pivot (14) that is guided in a cylindrical chute (16), and is linked by a connecting rod (40), to a control ring (42). The fixing unit guides an outer end of the pivot in rotation. The rod fixed on the pivot extending beyond the chute, supports and locates the ring remote from the crankcase.

IPC 8 full level

**F01D 9/02** (2006.01); **F01D 17/16** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)

**F01D 17/162** (2013.01 - EP US)

Cited by

EP2053203A1; FR2922257A1; US8226357B2; FR3132323A1

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DOCDB simple family (publication)

**EP 1496208 A1 20050112**; **EP 1496208 B1 20140507**; FR 2857404 A1 20050114; FR 2857404 B1 20070309; JP 2005030399 A 20050203; JP 4185894 B2 20081126; RU 2004121136 A 20060110; RU 2347915 C2 20090227; UA 88254 C2 20091012; US 2005042079 A1 20050224; US 7112041 B2 20060926

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**EP 04291720 A 20040707**; FR 0308435 A 20030710; JP 2004200228 A 20040707; RU 2004121136 A 20040709; UA 20040705612 A 20040709; US 88577804 A 20040708