

Title (en)

Device for assembling two units, for example for a turbomachine stator

Title (de)

Vorrichtung zum Zusammenbau von zwei Einheiten, beispielsweise für den Stator eines Turbotriebwerks

Title (fr)

Dispositif d'assemblage de deux ensembles, par exemple pour stator de turbomachine

Publication

EP 1950392 B1 20131016 (FR)

Application

EP 08100605 A 20080117

Priority

FR 0752894 A 20070126

Abstract (en)

[origin: EP1950392A1] The device (10) has a yoke (22) and a connection unit (28) respectively connected to annular and concentric assemblies (6, 8). The unit is housed between lugs (26a, 26b) of the yoke. A screw (36) crosses yoke orifices (32a, 32b) of respective lugs and a passage orifice (30). The screw has a threaded end (46) cooperating with a nut system (44), and a clamping sleeve (42) crossing orifice (32a). The sleeve forms a shoulder (50) located between the lugs. The unit is located remote from the lug (26a) and fixed on both sides respectively against the shoulder and against the lug (26b). An independent claim is also included for a turbomachine assembly comprising annular and concentric assemblies.

IPC 8 full level

F02C 7/20 (2006.01); **F01D 9/04** (2006.01)

CPC (source: EP US)

F01D 25/162 (2013.01 - EP US); **F05B 2260/301** (2013.01 - EP US); **Y10T 403/32221** (2015.01 - EP US); **Y10T 403/32893** (2015.01 - EP US); **Y10T 403/32918** (2015.01 - EP US)

Citation (examination)

- US 5848874 A 19981215 - HEUMANN DAVID E [US], et al
- US 4684280 A 19870804 - DIRKIN WILLIAM [US], et al

Cited by

WO2016185361A1; US9816387B2; US11041392B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1950392 A1 20080730; EP 1950392 B1 20131016; CA 2619416 A1 20080726; CA 2619416 C 20141014; CN 101230874 A 20080730; CN 101230874 B 20141119; FR 2911933 A1 20080801; FR 2911933 B1 20090501; JP 2008215617 A 20080918; JP 5354915 B2 20131127; RU 2008103001 A 20090727; RU 2482304 C2 20130520; US 2008240845 A1 20081002; US 7794203 B2 20100914

DOCDB simple family (application)

EP 08100605 A 20080117; CA 2619416 A 20080123; CN 200810007046 A 20080125; FR 0752894 A 20070126; JP 2008013417 A 20080124; RU 2008103001 A 20080125; US 1748608 A 20080122