

Title (en)
Shaft and bearing assembly

Title (de)
Wellen- und Lageranordnung

Title (fr)
Ensemble comprenant un arbre rotatif et un palier à roulement

Publication
EP 1617046 A1 20060118 (FR)

Application
EP 05105982 A 20050630

Priority
FR 0407854 A 20040715

Abstract (en)
The assembly has a bearing including a ring (18) fixed to a shaft (16) by a coupling constituted by a set of teeth (164) on the shaft. The ring is fixed in axial direction by a transversal cord in the form of a ring portion. The set of teeth cooperates with studs (17) integrated to the ring. The studs are housed between the teeth set, and are in outer radial support against a surface of cylindrical portion (163) of the shaft.

IPC 8 full level
F01D 25/16 (2006.01); **F16B 21/18** (2006.01); **F16C 35/07** (2006.01); **F16D 1/116** (2006.01)

CPC (source: EP US)
F01D 25/16 (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **Y10T 403/7026** (2015.01 - EP US)

Citation (search report)

- [A] FR 2629537 A1 19891006 - SNECMA [FR]
- [A] EP 0359659 A1 19900321 - SNECMA [FR]
- [A] US 3393533 A 19680723 - HENRY WILKINSON WILFRED
- [A] US 5863137 A 19990126 - JOHNSON JAMES P [US], et al

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 1617046 A1 20060118; **EP 1617046 B1 20070124**; DE 602005000494 D1 20070315; DE 602005000494 T2 20071031;
ES 2281056 T3 20070916; FR 2873161 A1 20060120; FR 2873161 B1 20081010; US 2006291955 A1 20061228; US 7775723 B2 20100817

DOCDB simple family (application)
EP 05105982 A 20050630; DE 602005000494 T 20050630; ES 05105982 T 20050630; FR 0407854 A 20040715; US 18188505 A 20050715