

Title (en)
PIVOT JOINT.

Title (de)
DREHZAPFENGelenK.

Title (fr)
ARTICULATION A PIVOT.

Publication
EP 0060835 A4 19831219 (EN)

Application
EP 81900868 A 19800703

Priority
US 8000851 W 19800703

Abstract (en)
[origin: WO8200181A1] A joint structure (18) including a pivot pin (24; 124) which is locked against movement at its opposite ends (25, 26; 125, 126) in suitable openings (27, 28; 127, 128) in wall members (20, 21; 120, 121). In a preferred form, the pin ends (125, 126) are locked to the walls (120, 121) by a locking plate (159) welded to the pin end and bolted to the wall. In another form, the pin (24) is wedged into locked association with the wall members by wedge members (32, 33). The opening of the walls (20, 21) may be defined by expandable sleeves (29, 30). A clamp (38) is provided for effecting the wedging action and may include a tie rod (39) and threaded elements (43, 45) acting inwardly on the wedge members (32, 33). Sealing structure (46; 146) in each of the disclosed embodiments includes a seal ring (53; 153) having a dynamic sealing engagement with outer surface (55; 155) of the thrust ring (58; 158). The seal ring further has a static seal with a radially inwardly facing surface (57; 157) of the movable member (11; 111) of the joint structure through a metal ring portion (56; 156) of the seal ring.

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E02F 9/006 (2013.01); **F16C 11/045** (2013.01); **F16C 2350/26** (2013.01)

Citation (search report)
• [E] WO 8001562 A1 19800807 - CATERPILLAR TRACTOR CO, et al
• [AD] US 4096957 A 19780627 - IVERSON LOWELL P, et al
• [AD] US 3841771 A 19741015 - SHANKWITZ R, et al
• [A] FR 2036680 A1 19701231 - POCLAIN SA

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