

Title (en)
SHAFT FITTED ROTATABLY IN THE CASING OF A PRESSURE CHAMBER

Title (de)
IM GEHÄUSE EINES DRUCKRAUMES DREHBAR GELAGERTE WELLE

Title (fr)
ARBRE MONTE ROTATIF DANS LE LOGEMENT D'UNE CHAMBRE DE PRESSION

Publication
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Application
EP 91918054 A 19911017

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Abstract (en)
[origin: US5281034A] PCT No. PCT/EP91/01975 Sec. 371 Date Jun. 16, 1992 Sec. 102(e) Date Jun. 16, 1992 PCT Filed Oct. 17, 1991 PCT Pub. No. WO92/07195 PCT Pub. Date Apr. 30, 1992. The support of a shaft (7) which is rotatably supported in through-holes of the housing (1) of a pressure chamber in bushes (11, 12) provided with sealing rings and which is secured against axial displacement by securing rings (21, 22) is to be improved in such a way that a low-wear and secure arrangement of the shaft (7) and bearing bushes (11, 12) is achieved. For this purpose, it is suggested that each through-hole (9, 10) of the housing (1) comprise a collar (15, 16) which projects radially inward and forms a support for a projection which is directed radially outward and with which each bush (11, 12) is provided, the front side (19, 20) of the latter facing the pressure chamber simultaneously forming a support for a securing ring (21, 22) arranged on the shaft (7), wherein the two bearing sides of the shaft (7) have the same diameter.

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