

Title (en)
RACK BUSHING WITH TWO-PART SEAL

Title (de)
ZAHNSTANGENBUCHSE MIT ZWEITEILIGER DICHTUNG

Title (fr)
GARNITURE D'ETANCHEITE DE CREMAILLERE PRESENTANT UN JOINT EN DEUX PARTIES

Publication
EP 1395480 A2 20040310 (EN)

Application
EP 02744284 A 20020516

Priority
• US 0218487 W 20020516
• US 29217401 P 20010518

Abstract (en)
[origin: WO02095269A2] A hydraulic steering gear (10) comprises a tubular housing (16) partially defining a chamber (24) for receiving fluid under pressure. An annular bushing (30) supports a rack (20) for axial movement in the chamber (24). The bushing has a cylindrical inner surface (32) with a groove (50) defined by a bottom surface (52) and two end surfaces (54, 56). A seal assembly (60) is received in the groove (50) for sealing between the rack (20) and the bushing (30). The seal assembly (60) includes a first seal member (62) located in the groove (50) in sealing engagement with the bottom surface (52) of the bushing (30), and a second seal member (64) located in the groove (50) in sealing engagement with the first sealing member (62) and with the rack (20). The second seal member (64) is disposed radially between the first seal member (62) and the rack (20).

IPC 1-7
B62D 5/22

IPC 8 full level
B62D 5/22 (2006.01); **B62D 5/06** (2006.01)

CPC (source: EP)
B62D 5/062 (2013.01); **B62D 5/22** (2013.01)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 02095269 A2 20021128; **WO 02095269 A3 20030417**; AU 2002339882 A1 20021203; EP 1395480 A2 20040310; EP 1395480 A4 20060322

DOCDB simple family (application)
US 0218487 W 20020516; AU 2002339882 A 20020516; EP 02744284 A 20020516