

Title (en)
Shaft seal for hydraulic machine

Title (de)
Wellendichtung für hydraulische Maschine

Title (fr)
Joint d'arbre pour machine hydraulique

Publication
EP 1050680 B1 20051019 (DE)

Application
EP 00109429 A 20000503

Priority
DE 19921501 A 19990507

Abstract (en)
[origin: EP1050680A2] The machine has a housing (2) in which a rotatable drive shaft (5) fits through a wall (2a) hole (8). A roller bearing (7) is located on the housing wall, on which an external primary sealing component (9) is fitted. In the space between the primary seal component and the roller bearing a second sealing component (26) is fitted, which divides the space into an inner area (3a) accommodating the roller bearing and intermediate space (27) between the primary and secondary sealing components. The intermediate space is connected with a drainage conduit (31), in which a pressure prevails, which is lower than that in the inner area (3a)

IPC 1-7
F04B 1/12; **F04B 1/20**; **F04B 53/04**

IPC 8 full level
F04B 1/12 (2006.01); **F04B 1/20** (2006.01); **F04B 53/04** (2006.01)

CPC (source: EP)
F04B 1/122 (2013.01); **F04B 1/2014** (2013.01); **F04B 1/2085** (2013.01); **F04B 53/04** (2013.01)

Cited by
DE102014212201A1; WO2015197403A1; WO2012003922A3; WO2014206714A1; WO2015197402A1; WO2015018583A1

Designated contracting state (EPC)
DE FR GB IT SE

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