

Title (en)  
Shaft seal for hydraulic machine

Title (de)  
Wellendichtung für hydraulische Maschine

Title (fr)  
Joint d'arbre pour machine hydraulique

Publication  
**EP 1050680 A3 20010328 (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)

Citation (search report)

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