

Title (en)

IMPROVED FRICTION BEARING FOR HYDRAULIC MACHINES AND HYDRAULIC MACHINE EQUIPPED WITH SAID BEARING

Title (de)

VERBESSERTES GLEITLAGER FÜR HYDRAULISCHE MASCHINEN UND HYDRAULISCHE MASCHINE DIE MIT DIESEM LAGER AUSGERÜSTET IST

Title (fr)

PALIER A FRICTION AMELIORE POUR MACHINES HYDRAULIQUES ET MACHINE HYDRAULIQUE EQUIPEE DUDIT PALIER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004046572A1] The friction bearing for hydraulic machine (5) comprising a surface in contact and sliding on the surface of the crank, the said surface is carried out on an element inserted (4) in ferrous material interposed between said crank (10) and the piston (9) or its connecting rod (8), there is also a layer inserted in anti-friction plastic material (3) anchored solidly on this by a layer in sintered metal (2), and has a layer of anti-friction plastic material with a minimum thickness (3) but which is slightly greater than the maximum dimension of the particles not captured by the filter of the hydraulic circuit where the hydraulic machine is inserted ; it also has the thickness of the element in ferrous material (1) of said bearing between 0.4 and 4 % of the sliding diameter on the hub (6) of the crank (10). The principal operation, standardization, and dimension reduction advantages, compared to the prior art, are also illustrated.

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