

Title (en)  
HYDRAULIC MECHANISM PROVIDED WITH MEANS FOR GUIDING PISTONS IN TRANSLATIONAL MOVEMENT

Title (de)  
HYDRAULISCHER MECHANISMUS MIT VORRICHTUNG ZUR KOLBENFÜHRUNG IN TRANSLATIONSBEWEGUNG

Title (fr)  
MECANISME HYDRAULIQUE MUNI DE MOYENS DE GUIDAGE EN TRANSLATION DES PISTONS

Publication  
**EP 3201466 B1 20200415 (FR)**

Application  
**EP 15788134 A 20151002**

Priority  
• FR 1459509 A 20141003  
• FR 2015052646 W 20151002

Abstract (en)  
[origin: WO2016051107A1] Hydraulic mechanism, motor or pump, comprising a cam; a cylinder block mounted so as to rotate with respect to the cam; at least one cylinder (110i, 110e) formed in this cylinder block; at least one piston assembly able to cooperate with a cylinder (110i, 100e), this piston assembly comprising a piston (111i, 111e) mounted so as to slide inside said cylinder (110i, 110e); a roller (123) mounted so as to rotate on the piston (111i, 111e) and configured to cooperate with the cam, the roller (123) being delimited by two transverse end faces; first and second wedging pieces (129) that are each disposed between one end face of the roller (123) and the internal face of the cylinder (110i, 110e) against which said wedging piece (129) bears so as to maintain the axial position of the roller (123); the cylinder (110i, 110e) comprises a groove (131) made in its internal face, and the piston assembly comprises a projection (136) configured to cooperate with the groove (131) in the cylinder (110i, 110e) so as to maintain the orientation of the roller (123).

IPC 8 full level  
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