

Title (en)  
Hydraulic transformer

Title (de)  
Hydraulischer Transformator

Title (fr)  
Transformateur hydraulique

Publication  
**EP 1178209 A3 20030903 (DE)**

Application  
**EP 01110305 A 20010426**

Priority  
DE 10033285 A 20000707

Abstract (en)  
[origin: EP1178209A2] The hydraulic transmission has a cam plate (21') located between the casing (14') and rotor (19), and a rolling bearing installed between the cam plate and casing. The rolling bearing in the form of a ball bearing is installed on the cam plate side facing the rotor between the cam plate and a circular protrusion (41) inside the casing. In the form of a tapered roller bearing the latter is installed on the cam plate side furthest from the rotor between the camplate and an end plate (14a) in the casing.

IPC 1-7  
**F04B 1/20**

IPC 8 full level  
**F04B 1/20** (2006.01)

CPC (source: EP)  
**F04B 1/2042** (2013.01)

Citation (search report)  
• [XD] WO 9940318 A1 19990812 - INNAS FREE PISTON BV [NL], et al  
• [A] EP 0491078 A1 19920624 - STEWART ROBERT M [US], et al  
• [A] FR 1260078 A 19610505 - CT DE RECH S HYDRAULIQUES ET E

Cited by  
CN106949104A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1178209 A2 20020206; EP 1178209 A3 20030903; EP 1178209 B1 20050126;** DE 10033285 A1 20020214; DE 50105172 D1 20050303

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