

Title (en)
POWER-STEERING DEVICE FOR A VEHICLE

Title (de)
LENKHILFVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)
SYSTEME DE DIRECTION ASSISTEE POUR UN VEHICULE

Publication
EP 1532034 A1 20050525 (DE)

Application
EP 03794865 A 20030809

Priority
• DE 10239143 A 20020827
• EP 0308870 W 20030809

Abstract (en)
[origin: WO2004024536A1] The invention relates to a power-steering device comprising a power-steering pump, and to a method for operating a power-steering device for a vehicle comprising a hydraulic circuit (11) provided with a rotary slide valve (5) and a steering cylinder (6) which is associated therewith, and a control valve (7) for adjusting a volume flow of a hydraulic medium as required. Said control valve (7) is arranged in or on the power-steering pump (1), on the pressure side, in such a way that it divides the volume flow (Q) from the power-steering pump (1) into at least a first base partial flow (A) and a second pilot partial flow (B). Said base partial flow (A) is independent from the operating state of the control valve (7), whereas the pilot partial flow (B) is dependent on the operating state of the control valve (7).

IPC 1-7
B62D 5/06

IPC 8 full level
B62D 5/07 (2006.01); **B62D 5/065** (2006.01)

CPC (source: EP US)
B62D 5/065 (2013.01 - EP US)

Citation (search report)
See references of WO 2004024536A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 2004024536 A1 20040325; DE 10239143 A1 20040318; EP 1532034 A1 20050525; JP 2005537184 A 20051208; US 2005167180 A1 20050804; US 7143862 B2 20061205

DOCDB simple family (application)
EP 0308870 W 20030809; DE 10239143 A 20020827; EP 03794865 A 20030809; JP 2004535078 A 20030809; US 6746505 A 20050225