

Title (en)
THICK MATTER PUMP COMPRISING A TRANSPORT CAPACITY CONTROL SYSTEM

Title (de)
DICKSTOFFPUMPE MIT FÖRDERMENGENSTEUERUNG

Title (fr)
POMPE A LIQUIDES EPAIS A REGULATION DU DEBIT DE REFOULEMENT

Publication
EP 1436507 A1 20040714 (DE)

Application
EP 02772362 A 20021004

Priority
• DE 10150467 A 20011016
• EP 0211165 W 20021004

Abstract (en)
[origin: DE10150467A1] To the hydraulic pump (6) with variable delivery volume (V) can be coupled two hydraulic cylinders (5,5') of push-pull type, each with a delivery cylinder (7,7') for the pump. To the IC engine (50) is allocated a speed control, and to the pump is linked a displacement volume adjuster (18,20).A control unit adjusts the engine speed (N) and delivery volume of pump. The control unit contains an adjusting member (56) for delivery quantify (F) of delivery cylinders, and a control electronic for rated value presetting for the speed control.

IPC 1-7
F04B 49/06; **F04B 15/02**

IPC 8 full level
F04B 49/00 (2006.01); **F04B 15/02** (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP KR US)
F04B 15/02 (2013.01 - EP US); **F04B 49/06** (2013.01 - KR); **F04B 49/065** (2013.01 - EP US); **F04B 2201/1204** (2013.01 - EP US);
F04B 2201/1205 (2013.01 - EP US); **F04B 2203/0209** (2013.01 - EP US); **F04B 2203/0605** (2013.01 - EP US); **Y10S 417/90** (2013.01 - EP US)

Cited by
EP4180660A1; WO2004041082A1

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

DOCDB simple family (publication)
US 2006153700 A1 20060713; **US 7322802 B2 20080129**; AT E407294 T1 20080915; CN 100540897 C 20090916; CN 1571886 A 20050126;
DE 10150467 A1 20030417; DE 50212737 D1 20081016; EP 1436507 A1 20040714; EP 1436507 B1 20080903; ES 2312626 T3 20090301;
JP 2005505721 A 20050224; KR 100658249 B1 20061214; KR 20050033531 A 20050412; WO 03033911 A1 20030424

DOCDB simple family (application)
US 49418304 A 20040429; AT 02772362 T 20021004; CN 02820594 A 20021004; DE 10150467 A 20011016; DE 50212737 T 20021004;
EP 0211165 W 20021004; EP 02772362 A 20021004; ES 02772362 T 20021004; JP 2003536615 A 20021004; KR 20047005347 A 20040412