

Title (en)
HYDRAULIC MANIPULATOR

Title (de)
HYDRAULISCHER MANIPULATOR

Title (fr)
MANIPULATEUR HYDRAULIQUE

Publication
EP 1144937 B1 20040211 (DE)

Application
EP 99964404 A 19991203

Priority
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• DE 19857378 A 19981212

Abstract (en)
[origin: US6591607B1] A hydraulic manipulator having an ergonomic handle and good transmission behavior. There is an input drive element of the manipulator which is a hydraulic pump with two conveyance directions. The input drive movement is introduced on the drive shaft of the hydraulic pump as a rotary movement. This device is used in hydraulic manipulators with an input drive element for introducing an input drive movement into a closed hydraulic circuit and a control element for an output drive movement from the hydraulic circuit.

IPC 1-7
F41A 27/26; F41G 5/04; F15B 7/00

IPC 8 full level
F15B 7/00 (2006.01); **F15B 7/10** (2006.01); **F41A 27/26** (2006.01); **F41F 3/052** (2006.01); **F41G 5/04** (2006.01)

CPC (source: EP US)
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US 85792801 A 20010611; DE 19857378 A 19981212; DE 59908539 T 19991203; DE 9903887 W 19991203; EP 99964404 A 19991203; ES 99964404 T 19991203; IL 14299899 A 19991203