

Title (en)
Compact hydraulic unit

Title (de)
Kompakte Hydraulikeinheit

Title (fr)
Unité hydraulique compacte

Publication
EP 0890741 B1 20030528 (DE)

Application
EP 98112313 A 19980702

Priority
DE 19728994 A 19970707

Abstract (en)
[origin: EP0890741A2] The housing (2) of the unit contains a rotatable shaft (3) connecting a main hydropump (4) on one side of the housing to a secondary hydropump (5) on a second end side (10) of the housing. The housing wall incorporates at least a suction pipe (14) supplying hydraulic medium to the pumps as well as at least a first filter (15) set in the suction pipe to filter the hydraulic medium. A loading pump (20) such as a gearwheel or turbine pump rotationally secured to the shaft and set inside the housing supplies the hydraulic medium through a second integrated filter (21) to the main pump via a pressurised line (19) also integrated in the housing wall (7).

IPC 1-7
F04B 23/10

IPC 8 full level
F04B 23/10 (2006.01); **F04D 13/12** (2006.01)

CPC (source: EP US)
F04B 23/106 (2013.01 - EP US); **F04B 23/12** (2013.01 - EP US); **F04D 13/12** (2013.01 - EP)

Cited by
EP1150011A1; US6524084B2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
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