

Title (en)  
Hydraulic pump.

Title (de)  
Hydropumpe.

Title (fr)  
Pompe hydraulique.

Publication  
**EP 0499794 B1 19940406 (DE)**

Application  
**EP 92100785 A 19920118**

Priority  
DE 4105030 A 19910219

Abstract (en)  
[origin: EP0499794A1] A hydraulic pump, in which two pump elements deliver from a common suction chamber and the delivery currents can alternately be jointly fed to a pressure outlet or can be split to two outlets of which one outlet leads back into the suction chamber, is to be simplified with regard to its construction. <??>For this purpose, the pressure-side chambers for the separate delivery currents can be connected via a one-way valve through which in the open state the delivery current of one pump element can be united with that of the second pump element. <??>The different delivery current guides are switched via control valves whose position depends solely on the pressure prevailing at the pressure outlet of the hydraulic pump. <??>The control valves to be switched are a joint component of a single control slide valve. <IMAGE>

IPC 1-7  
**F04C 15/04**

IPC 8 full level  
**F04C 14/24** (2006.01); **F04B 49/00** (2006.01); **F04B 49/02** (2006.01); **F04C 14/02** (2006.01); **F04C 14/06** (2006.01); **F04C 14/18** (2006.01); **F04C 14/26** (2006.01); **F16N 13/22** (2006.01)

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**EP 0499794 A1 19920826; EP 0499794 B1 19940406**; DE 4105030 A1 19920820; DE 4105030 C2 19941124; JP 2528415 B2 19960828; JP H0579471 A 19930330; US 5211544 A 19930518

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**EP 92100785 A 19920118**; DE 4105030 A 19910219; JP 6547592 A 19920206; US 83651092 A 19920218