

Title (en)  
HYDRAULIC POWER UNIT

Publication  
**EP 0087794 B1 19861203 (EN)**

Application  
**EP 83101948 A 19830228**

Priority  
IT 335382 A 19820302

Abstract (en)  
[origin: EP0087794A2] In order to obtain a hydraulic power unit of small dimensions and simple construction, particularly adapted for double-acting hydraulic actuators, the pump (A) of the power unit is constituted by a reversible pump, activated, for example, by a reversible electric motor, while the two mouths (B, B min ) of the pump, each of which can operate alternately as a suction mouth and as a delivery mouth, are each connected or connectible, possibly by means of a hydraulic distributor (R), at one side to conduits (C, C min or C sec , C'') for connection to the user and at the other side to the tank (H) for the hydraulic liquid either by means of associated unidirectional valves (F, F min ) opening in the direction of the flow from the tank (H) to the respective mouth (B, B min ), or - parallelly with said unidirectional valves (F, F min ) - by means of associated automatic pressure relief valves (L, L min ).

IPC 1-7  
**F15B 1/06**; **F15B 7/00**; **F15B 15/18**

IPC 8 full level  
**F15B 7/00** (2006.01); **F15B 15/18** (2006.01)

CPC (source: EP)  
**F15B 7/006** (2013.01)

Cited by  
EP0932773A4; FR2687206A1; DE102011117486A1; NL9401692A; US5857381A; GB2239488A; GB2239488B; WO9612108A1; US9309968B2; EP2045304B1

Designated contracting state (EPC)  
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)  
**EP 0087794 A2 19830907**; **EP 0087794 A3 19840905**; **EP 0087794 B1 19861203**; AT E24027 T1 19861215; DE 3368096 D1 19870115; IT 1156552 B 19870204; IT 8203353 A0 19820302

DOCDB simple family (application)  
**EP 83101948 A 19830228**; AT 83101948 T 19830228; DE 3368096 T 19830228; IT 335382 A 19820302