

Title (en)  
VALVE

Publication  
**EP 0205753 B1 19890308 (DE)**

Application  
**EP 86102774 A 19860303**

Priority  
DE 3507866 A 19850306

Abstract (en)  
[origin: US4664356A] A valve includes a valve housing having a valve bore with a first valve member movable therein to control fluid communication between a pump, a reservoir and a hydraulic function. The first valve member includes annular grooves which receive pressure controlled seals. A second valve member is movable in the valve bore and is connected to an actuator. The first and second valve members cooperate to form a pre-control valve which controls pressurization of the pressure controlled seals. The second valve member also connects the actuator with the first valve member so that the seals are relieved of pressure before the first valve member is moved.

IPC 1-7  
**F16K 11/07; F16K 25/00**

IPC 8 full level  
**F15B 13/04** (2006.01); **F16K 11/07** (2006.01); **F16K 25/00** (2006.01)

CPC (source: EP US)  
**F15B 13/04** (2013.01 - EP US); **Y10T 137/8671** (2015.04 - EP US); **Y10T 137/87169** (2015.04 - EP US); **Y10T 137/87732** (2015.04 - EP US)

Cited by  
GB2220048A; CN109404561A

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AT BE DE FR GB IT

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**US 4664356 A 19870512**; AT E41216 T1 19890315; DE 3507866 A1 19860911; DE 3507866 C2 19900111; DE 3662306 D1 19890413; EP 0205753 A1 19861230; EP 0205753 B1 19890308; ES 552670 A0 19870516; ES 8705950 A1 19870516; ZA 861642 B 19871125

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**US 87477986 A 19860616**; AT 86102774 T 19860303; DE 3507866 A 19850306; DE 3662306 T 19860303; EP 86102774 A 19860303; ES 552670 A 19860305; ZA 861642 A 19860305