

Title (en)  
HYDRAULIC PISTON PUMP

Title (de)  
HYDRAULISCHE KOLBENPUMPE

Title (fr)  
POMPE HYDRAULIQUE A PISTONS

Publication  
**EP 1228313 A1 20020807 (DE)**

Application  
**EP 00993113 A 20001113**

Priority  
• DE 0003952 W 20001113  
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Abstract (en)  
[origin: WO0136820A1] All pistons (4) of a hydraulic piston pump having an adjustable delivery rate are provided with beveled control edges (9), which are placed on the faces of the pistons (4) and which interact with the inlet borings (10) according to the principle of beveled edge control. Different means (12; 13; 14; 15; 20; 21; 22; 23; 24; 25; 26; 28; 29) effect a mutual torsion of the pistons (4) thus regulating the delivery rate. The piston pump is especially suited for diesel injection systems but can also be used for many applications in industrial hydraulic engineering.

IPC 1-7  
**F04B 1/30**; **F04B 7/06**; **F04B 1/07**

IPC 8 full level  
**F04B 1/07** (2006.01); **F04B 1/30** (2006.01); **F04B 7/06** (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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