

Title (en)  
Piston pump

Title (de)  
Pumpe, insbesondere Plungerpumpe

Title (fr)  
Pompe à piston

Publication  
**EP 1260712 A3 20040721 (DE)**

Application  
**EP 02004477 A 20020227**

Priority  
DE 10125669 A 20010525

Abstract (en)  
[origin: EP1260712A2] The plunger pump has a crank drive (3) driving the plunger (5) set in the housing. The plunger is fitted with elastic sealing means (7) which produce a pressure-tight seal with a lower housing chamber (19) which contains the crank drive. The sealing means are preferably fixed on the plunger on one side and on the housing on the other.

IPC 1-7  
**F04B 53/14**

IPC 8 full level  
**F04B 39/00** (2006.01); **F04B 35/01** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)  
**F04B 53/143** (2013.01 - EP US)

Citation (search report)  
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• [X] FR 2273961 A1 19760102 - VENDITTI BERNARD [FR]  
• [X] US 4087213 A 19780502 - HADAMA SHIGEYUKI  
• [A] US 4824342 A 19890425 - BUCK MICHAEL D [US]  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1260712 A2 20021127; EP 1260712 A3 20040721; EP 1260712 B1 20090401**; AT E427425 T1 20090415; AU 3815902 A 20021128; AU 779301 B2 20050113; DE 10125669 A1 20021128; DE 10125669 B4 20060427; DE 50213406 D1 20090514; ES 2325148 T3 20090827; JP 2003028062 A 20030129; US 2002174767 A1 20021128; US 6622612 B2 20030923

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