

Title (en)  
Hydraulically driven machine improvement

Title (de)  
Verbesserung für eine hydraulisch angetriebene Maschine

Title (fr)  
Améliorations d'une machine hydraulique

Publication  
**EP 2009283 A2 20081231 (EN)**

Application  
**EP 08163603 A 20070119**

Previously filed application  
07100835 20070119 EP

Priority  
• EP 08163603 A 20070119  
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Abstract (en)  
A hydraulically driven diaphragm pumping machine comprises a plunger (6) that is slidably mounted in a middle part of the inside of the machine's hydraulic cylinder (5) between first and second bellow-like diaphragms (4,10). Ends of the plunger (6) are connected to the first and second bellows-like diaphragm (10) to define respective first and second outer annular spaces (a) that are independent of one another, and the pressure of fluid in the first annular space (a) is independent of the pressure of fluid in the second annular space (a). The machine may also comprise a hydromechanical switch for commutating a valve (102) to automatically control the supply of hydraulic fluid to the hydraulic cylinder at given moments of the machine's cycle.

IPC 8 full level  
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CPC (source: EP)  
**F01B 19/04** (2013.01); **F01L 21/04** (2013.01); **F04B 9/105** (2013.01); **F04B 43/113** (2013.01); **F04B 43/1133** (2013.01); **F04B 43/1136** (2013.01)

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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