

Title (en)  
VERTICALLY RECIPROCATING PUMP

Title (de)  
VERTIKALE KOLBENPUMPE

Title (fr)  
POMPE ALTERNATIVE VERTICALE

Publication  
**EP 0823962 B1 19991020 (FR)**

Application  
**EP 96919862 A 19960503**

Priority  

- FR 9600674 W 19960503
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Abstract (en)  
[origin: WO9635055A1] A vertically reciprocating pump is described, characterised by a piston (8) which has a support (81, 82, 83) including a hub extending downwards and supporting reinforcement legs, the hub having a rod (7, 71, 72) to which it is translatably coupled passing therethrough, and by a valve overlying the support (81, 82, 83), which seals the piston (8) under the weight of the column of liquid above it or allows the passage of liquid when the piston (8) moves down the water column in the drainage pipe (6).

IPC 1-7  
**F04B 53/12**; **F04B 47/02**

IPC 8 full level  
**F04B 53/10** (2006.01); **F04B 47/02** (2006.01); **F04B 53/12** (2006.01)

CPC (source: EP US)  
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