

Title (en)  
Pumping device

Title (de)  
Pumpvorrichtung

Title (fr)  
Dispositif de pompage

Publication  
**EP 2224132 B1 20200108 (EN)**

Application  
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Abstract (en)  
[origin: EP2224132A2] The invention relates to a pumping device comprising a first low pressure plunger with a first plunger surface area and which is up and down moveable in a first cylinder, and a functionally coupled second, high pressure plunger with a second, smaller plunger area and which is moveable in a second cylinder, which first plunger in operation drives the second cylinder causing in operation an amplification of the compressor force for pumping a fluid, wherein further a breathing segment is provided between both plungers, in which the space of the breathing segment is in fluid connection coupled with an inlet of the fluid which needs to be pumped, like a gas, and is provided with a regulator for in operation maintaining a small overpressure on the breathing segment.

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