

Title (en)
Pump comprising a partially hollow piston

Title (de)
Pumpe mit zum Teil hohlem Kolben

Title (fr)
Pompe comprenant un piston partiellement creux

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Application
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Abstract (en)
[origin: EP0580196A1] The pump according to the present invention consists of a piston (16) of which the end (17) is hollowed out and forms a chamber (19) having an opening (18) and an inlet valve (15). The alternative displacement of the piston draws and pushes the fluid back through the chamber (19). The system is totally "in line" and is suitable even for very abrasive fluids such as cement slurry. <IMAGE>

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F04B 53/14; F04B 37/12

IPC 8 full level
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CPC (source: EP)
F04B 53/125 (2013.01)

Cited by
CN104696185A; CN103161725A; US11261863B2; US11965503B2; US11002120B1; WO2012150436A3; WO2018183154A1; US11105327B2; US10941766B2; US9784262B2; US9989044B2; US11560888B2; US10808851B1; US11441687B2; US10947967B1; US11739748B2; US6568925B2; US10989188B2; US11073144B1; US11530750B2; US9945362B2; US10330097B2; US11280326B2; US11401930B2; US11885316B2; US8590614B2; US10677380B1; US10808846B1; US11231111B2; US11952986B2

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