

Title (en)  
PISTON PUMP FOR THICK MATTER

Title (de)  
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Title (fr)  
POMPE A PISTON POUR MATIERES CONSISTANTES

Publication  
**EP 0991864 A1 20000412 (DE)**

Application  
**EP 98937452 A 19980606**

Priority  
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Abstract (en)  
[origin: DE19727103A1] The invention relates to a piston pump for thick matter such as concrete, sewage sludge, excavated tunnel material and similar. The inventive piston pump has at least one hydraulically operated pump cylinder (10, 12). The pump piston (30) of said pump cylinder (10, 12) is connected to the piston (38) of a hydraulic drive cylinder (26, 28) by a common piston rod (34). A water box (42) is situated between the pump cylinders (10, 12) and the drive cylinders (26, 28), the piston rod (34) passing through said water box (42) for cleaning purposes. Said water box (42) has an assembly opening (44) at the top end, said opening being accessible from above, and a closeable water outlet nozzle (66) located at the bottom end. The water box also has an assembly opening located at the bottom end for easier assembly. Said bottom-end assembly opening (54) can be closed in such a way that it is liquid-tight by means of a removable base plate (52).

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Citation (search report)  
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Cited by  
CN102410198A; FR3105207A1; WO2021130444A1; FR3112089A1; FR3105252A1; WO2021130445A1

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