

Title (en)
Positive displacement member of a piston pump.

Title (de)
Verdrängerteil einer Kolbenpumpe.

Title (fr)
Pièce de refoulement pour une pompe à piston.

Publication
EP 0108944 A1 19840523 (DE)

Application
EP 83110319 A 19831015

Priority
DE 3238667 A 19821019

Abstract (en)
1. Displacement component of a piston pump for abrasive and/or corrosive liquids, comprising a piston rod and a piston made of oxide-ceramic material that is secured to the rod by means of a detachable connection, the piston having a blind hole extending in the direction of the piston crown, characterised by the following combination of features : the blind hole (5) is cut by a recess (7) that passes through the skirt (6) of the piston (2), a threaded component (8) is introduced into this recess (7), the base (4) of the piston is held by an adaptor (9) secured thereto by means of a screw connection which engages the threaded component through the blind hole (5) and coupled to the piston rod (1).

Abstract (de)
Der Kolben (2) einer Kolbenpumpe besteht aus oxidkeramischem Material. Er weist ein in Richtung des Kolbenbodens (3) verlaufendes Sackloch (5) auf, das von einer den Mantel (6) des Kolbens (2) durchdringenden Ausnehmung (7) geschnitten wird. Die Ausnehmung (7) nimmt ein Gewindestück (8) auf, das von einem Adapter (9) erfaßt wird, der durch das Sackloch (5) in das Gewindestück (8) eingreift und so die Kolbenstange (1) mit dem Kolben (2) verbindet.

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IPC 8 full level
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CPC (source: EP)
F04B 53/147 (2013.01)

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• DE 2939284 A1 19810402 - FELDMUEHLE AG
• US 1195546 A 19160822

Cited by
IT201900006680A1; CN104755755A; IT201800004176A1; WO2014063966A1; US11149850B2; WO2019193437A1

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