

Title (en)
PUMP FOR DISPENSING FLUID PRODUCTS

Title (de)
PUMPE ZUR ABGABE VON FLUIDPRODUKTEN

Title (fr)
POMPE DE DISTRIBUTION DE PRODUIT FLUIDE

Publication
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Application
EP 04805804 A 20041103

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Abstract (en)
[origin: WO2005044463A2] The inventive pump for dispensing fluid products comprises a pump body (10), a pump chamber (20) at least one piston (30, 72) sliding inside the pump chamber (20) for dispensing a fluid product, a dispensing orifice (45) and a shutter (38) which interacts with said dispensing orifice (45) and is embodied in such a way that it is movable and/or deformable between the closed position of the dispensing orifice (45) and the open position thereof, said shutter being elastically driven to a closed position. Said invention is characterised in that the inventive pump comprises only one elastic element (50) in the form of a spring for bringing at least one piston (30, 72) to a rest position after actuation and for driving the shutter (38) to a closed position and the pump body (10) is embodied in one piece with the shutter (38).

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Cited by
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FR 2862106 A1 20050513; FR 2862106 B1 20070824; CN 100460085 C 20090211; CN 100460086 C 20090211; CN 1886202 A 20061227; CN 1886203 A 20061227; DE 602004005611 D1 20070510; DE 602004005611 T2 20071213; DE 602004006017 D1 20070531; DE 602004006017 T2 20071227; EP 1687095 A2 20060809; EP 1687095 B1 20070328; EP 1687096 A2 20060809; EP 1687096 B1 20070418; JP 2007510535 A 20070426; JP 2007511339 A 20070510; JP 4825677 B2 20111130; JP 4825678 B2 20111130; US 2007272712 A1 20071129; US 2007295756 A1 20071227; US 7775404 B2 20100817; US 7870978 B2 20110118; WO 2005044463 A2 20050519; WO 2005044463 A3 20050630; WO 2005044464 A2 20050519; WO 2005044464 A3 20050707

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