

Title (en)  
PUMP FOR PUMPING CORROSIVE FLUIDS

Title (de)  
PUMPE ZUM PUMPEN KORROSIVER FLÜSSIGKEITEN

Title (fr)  
POMPE POUR POMPER DES FLUIDES CORROSIFS

Publication  
**EP 3995694 A1 20220511 (EN)**

Application  
**EP 21207317 A 20211109**

Priority  
IT 202000026627 A 20201109

Abstract (en)  
Pump for pumping corrosive fluids comprising two or more heads (2), each of which provided with a pumping chamber (3), with a suction channel (4) and with a dispensing channel (5), and such suction (4) and dispensing (5) channels are connected to the pumping chamber (3) in order to suction and dispense a corrosive fluid respective into and from the aforesaid pumping chamber (3). The pump also comprises a casing (6) made of metallic material, which carries the heads (2) mounted thereon and is provided with a feed circuit (7), placed in fluid communication with the suction channels (4) of the heads (2), and a delivery circuit (8), placed in fluid communication with the dispensing channels (5) of the heads (2). The feed circuit (7) and the delivery circuit (8) are provided with a first conveyance surface (43) for the corrosive fluid. In addition, the pump comprises a first shaped protection body (9) made of polymeric material, which is molded in a single body directly on top of the first conveyance surface (43).

IPC 8 full level  
**F04B 15/04** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)  
**F04B 15/04** (2013.01); **F04B 53/16** (2013.01); **F04B 1/053** (2013.01)

Citation (applicant)  
• US 5649809 A 19970722 - STAPELFELDT VOLKER [DE]  
• DE 102005050009 A1 20070412 - KAERCHER GMBH & CO KG ALFRED [DE]  
• US 6464475 B1 20021015 - BERTOLINI MARIO [IT]

Citation (search report)  
• [YA] US 5649809 A 19970722 - STAPELFELDT VOLKER [DE]  
• [YA] DE 102005050009 A1 20070412 - KAERCHER GMBH & CO KG ALFRED [DE]  
• [YA] US 6464475 B1 20021015 - BERTOLINI MARIO [IT]  
• [A] GB 2144493 A 19850306 - WILDEN PUMP & ENG  
• [A] EP 3483435 A1 20190515 - INGERSOLL RAND CO [US]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

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DOCDB simple family (application)  
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