

Title (en)  
MULTIFLOW LIQUID RING PUMP

Title (de)  
MEHRFLUTIGE FLÜSSIGKEITSRINGPUMPE

Title (fr)  
POMPE A ANNEAU LIQUIDE A PLUSIEURS FLUX

Publication  
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Application  
**EP 98966223 A 19981216**

Priority  
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• DE 19758340 A 19971222

Abstract (en)  
[origin: US6551071B1] The invention relates to a multifold liquid ring pump, comprising a rotor housing that encompasses the pump rotor. A side shield is arranged on both front ends. Each side shield has an inlet and an outlet on the side facing the other side shield, the inlet and outlet being interconnected. An admission hole for the feed line and a pressure hole for the discharge line are provided. Each side shield has at least one additional connection hole. The invention is characterized in that the outer jacket surface of each side shield (3, 4) flushes with and closes the outer jacket surface of the rotor housing (2) and in that the inlet (7, 9), the outlet (8, 10) and the connection hole (11, 12, 13, 14) are connected by channels (15, 16, 30, 31) arranged in the rotor housing (2).

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