

Title (en)  
PUMP

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Application  
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Priority  
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Abstract (en)  
[origin: US4242039A] The present invention relates to internal and shaft outlet seals of a pump. On both sides of a paddle-wheel are arranged a pair of coaxial discs (22-23) and (24-25), the face of one disc being smooth and the face of the other disc having spiral grooves, one of the discs of each pair being interlocked in rotation with wheel 5, whereby the liquid between two discs is subjected to a pressure increase radially outwardly compensating at least for the pressure increase due to pumping by wheel 5.

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IPC 8 full level  
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Cited by  
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