

Title (en)
PUMP

Title (de)
PUMPE

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POMPE

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EP 2314881 A1 20110427 (EN)

Application
EP 09770060 A 20090617

Priority
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Abstract (en)
A pump has a casing, a rotating device and a switch valve. The casing includes an enclosed space, an inlet and first and second outlets. The device includes an impeller. The valve is in the shape of a circular arc. The valve is configured to turn on the pivot so as to: close the second outlet side to form a first volute around the central axis of the impeller inside the valve if a rotation direction of the impeller is a first direction, and also close the first outlet side to form a second volute around the central axis of the impeller inside the valve if a rotation direction of the impeller is a second direction. The first volute becomes gradually wider from the second outlet to the first outlet. The second volute becomes gradually wider from the first outlet to the second outlet.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2009157350A1

Cited by
DE102017208134A1; CN103277340A; CN111919029A; JP2012180828A

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AL BA RS

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