

Title (en)  
IMPELLER PUMP

Title (de)  
IMPELLERPUMPE

Title (fr)  
POMPE À IMPULSEUR

Publication  
**EP 3492752 B1 20211117 (DE)**

Application  
**EP 18207152 A 20181120**

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Abstract (en)  
[origin: CN109869349A] The invention relates to a vane pump, including a pump chamber having an inlet into a pump chamber and having an outlet exiting the pump chamber; an impeller in the pump chamber; a rotation direction for transporting the fluid from an inlet pump to an impeller of the outlet. An auxiliary outlet exiting the pump chamber and an auxiliary outlet flap are provided, wherein the auxiliary outlet flap has a closed position and at least one open position and is designed to be rotatable or movable between the positions. In the closed position, the auxiliary outlet flap closes the auxiliary outlet, and in each of the open positions, the auxiliary outlet flap at least partially opens or opens the auxiliary outlet. The auxiliary outlet flap has an actuating device and is subjected to a force load by the actuating device such that in the event that the auxiliary outlet flap does not have a fluid flow in the direction of rotation of the impeller for pumping fluid from the inlet to the outlet, assists the exit flap automatically to move from the closed position to one of the open positions.

IPC 8 full level  
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