

Title (en)
CENTRIFUGAL PUMP

Title (de)
KREISELPUMPE

Title (fr)
POMPE CENTRIFUGE

Publication
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Application
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Abstract (en)
[origin: WO2006133577A1] The impeller wheel disc (11; 21; 31), provided with at least one broad blade (15; 25L, 35L), of the impeller wheel (10; 20; 30), which can be driven by means of a shaft (60), of a centrifugal pump, in particular a non-clogging impeller, for feeding fluids with solid and gaseous additives is displaced in the direction of the drive by a distance D so that the impeller wheel chamber (5A; 105A) is increased in size by a part (5B; 105B) which is located further behind. Furthermore, the impeller wheel (20; 30) comprises, according to one preferred embodiment, at least one auxiliary blade (25S; 35S) whose central width is preferably approximately 50% of the width of the broad blade. This arrangement improves in particular the gas feeding capability of the pump.

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