

MD.7.

Title	Impeller of the hydraulic centrifugal pump
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Patent no.	Decision of granting of short term patent, MD, No. 10387 of 2024.01.25.
Description	The invention relates to the machine building, namely to

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the centrifugal hydraulic pump's impellers. The application of CFD simulations coupled with optimization algorithms led to the increase of the hydraulic efficiency of the optimized pump impeller, compared to the original rotor, from 56% to 61%. The efficiency of the centrifugal pump with optimized impeller increased by 3.2%.