

Title (en)
CENTRIFUGAL PUMP IMPELLER

Title (de)
ZENTRIFUGALPUMPENFLÜGELRAD

Title (fr)
ROUE DE TRAVAIL D'UNE POMPE CENTRIFUGE

Publication
EP 3653887 A1 20200520 (EN)

Application
EP 18832090 A 20180428

Priority
• RU 2017124511 A 20170710
• RU 2018050046 W 20180428

Abstract (en)
This invention relates to equipment designed for pumping fluids and can be used in industry, agriculture and domestically. The technological result achieved by this invention is increasing centrifugal pressure without affecting the efficiency coefficient of the impeller of a centrifugal pump. The essence of this invention consists in the impeller of a rotary pump with the angle between the line tangent to the trailing edge of a vane and the line tangent to the circumference of the impeller in the 40°-90° range, while the shape of the vanes corresponds to second-order surfaces, which permits the vanes to be made inclined towards the impeller rotation direction and stretched towards the eye of the impeller.

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Cited by
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