

Title (en)
IMPELLER FOR A CENTRIFUGAL PUMP

Title (de)
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Title (fr)
ROUE POUR POMPE CENTRIFUGE

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Abstract (en)
[origin: WO2016062416A1] The present invention relates to an impeller and a centrifugal pump using such. The present invention especially relates to modifying an impeller of a centrifugal pump in such a way that said pump may be used without a risk of damaging a shaft seal or like at capacities higher than that at the optimal operating point. The impeller comprises at least a hub (52) extending radially outwardly in the form of a shroud (54), at least one working vane (56) arranged on the front surface of the hub (52) and the shroud (54), at least one rear vane (60) on the rear surface of the shroud (54), and at least one balancing conduit (58) extending through said hub (52) and shroud (54), the first opening (64) of the balancing conduit (58) in the first face of the impeller hub (52) being located within the circle C formed by the radially innermost part (56e) of the at least one working vane (56), while the impeller (50) is rotated about the axis (8).

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