

Title (en)
CENTRIFUGAL PUMP AND SERIES OF CENTRIFUGAL PUMPS

Title (de)
KREISELPUMPE UND BAUREIHE VON KREISELPUMPEN

Title (fr)
POMPE CENTRIFUGE ET GAMME DE POMPES CENTRIFUGES

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Abstract (en)
[origin: WO2013117617A1] The invention relates to a centrifugal pump, wherein at least one pump housing (1), a bearing support assembly (10) connected directly or indirectly to the pump housing (1), a housing cover (5) arranged between the pump housing (1) and the bearing support assembly (10), a rotationally drivable shaft (13) that is supported in the bearing support assembly (10) and that extends into the pump housing (1) through the bearing support assembly (10) and the housing cover (5) coaxially to an axis of rotation (A), and an impeller (16) arranged in the pump housing (1) and fastened to the shaft (13) are provided as components. According to the invention, the components (1, 5, 10, 13, 16) are defined at least in two standards, wherein interface areas (8, 11, 18, 21, 25) of a plurality of the components (1, 5, 10, 13, 16) that are defined in the standards and are of the same type, which interface areas are not considered in the standards, are geometrically identical. The invention further relates to a series of centrifugal pumps using such a centrifugal pump.

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