

Title (en)
CENTRIFUGAL PUMP WITH ADJUSTMENT OF THE CLEARANCE BETWEEN COVER AND IMPELLER

Title (de)
KREISELPUMPE MIT REGELUNG DES SPALTES ZWISCHEN DECKEL UND LAUFRAD

Title (fr)
POMPE CENTRIFUGE AVEC RÉGLAGE DE L'INTERSTICE ENTRE COUVERCLE ET ROUET

Publication
EP 3581803 B1 20220302 (DE)

Application
EP 19178039 A 20190604

Priority
LU 100831 A 20180612

Abstract (en)
[origin: RU2707238C1] FIELD: pumps building.SUBSTANCE: centrifugal pump includes housing (1). In housing (1) there are impeller (2) and suction branch pipe (4) forming suction hole and made with possibility of insertion into bottom plate (3) of pump housing. Branch pipe (4) is installed with possibility of axial movement on bottom plate (3) due to the fact that both suction branch pipe (4) and bottom plate (3) have at least one surface (6) turned relative to bottom plate (3), by which they adjoin each other so that due to scrolling of suction branch pipe (4) the distance between impeller (2) and suction branch pipe (4) can vary, and / or on radial circumferential surface (12) of suction branch pipe (4) there is sealing collar (14), in inserted state, adjacent to bottom plate (3).EFFECT: inventions are aimed at maintenance of high efficiency of pump during long-term operation.14 cl, 5 dwg

IPC 8 full level
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CPC (source: EP RU)
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