

Title (en)  
A CENTRIFUGAL PUMP WITH BALANCING MEANS AND A METHOD OF BALANCING AXIAL FORCES OF THE CENTRIFUGAL PUMP

Title (de)  
KREISELPUMPE MIT AUSGLEICHSMITTEL UND VERFAHREN ZUM AXIALKRAFTAUSGLEICH DER KREISELPUMPE

Title (fr)  
POMPE CENTRIFUGE AVEC DES MOYENS D'ÉQUILIBRAGE ET PROCÉDÉ D'ÉQUILIBRAGE DES FORCES AXIALES DE LA POMPE CENTRIFUGE

Publication  
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Application  
**EP 17707915 A 20170306**

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Abstract (en)  
[origin: WO2017157702A1] The present invention relates to single- or multi-stage centrifugal pumps having novel disc- type means for balancing the axial forces of the pump. The disc-type balancing means are provided with at least one annular groove (54) in at least one of the non-axial counter surfaces (50) and (52) of the balancing disc (22) and the counter member (28).

IPC 8 full level  
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Citation (examination)  
US 1499056 A 19240624 - ALADAR HOLLANDER

Cited by  
CN114508393A; CN113396287A; WO2020165046A1

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