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(71) Applicant: **SULZER PUMPEN AG**
8401 Winterthur (CH)

(72) Inventor: **Manninen, Heikki**
35700 Vilppula (FI)

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(74) Representative: **Sulzer Management AG**
Patentabteilung / 0067
Zürcherstrasse 12
8401 Winterthur (CH)

(54) **Centrifugal pump and a static seal thereof**

(57) The present invention relates to a centrifugal pump and a static seal of the dynamic sealing thereof. The invention especially relates to modifying the attachment of said static seal and a seal cover acting as a counter ring thereof in such a way that, for example, when the static seal wears, the clearance thereof can be adjusted without a need to stop the pump. A characteristic feature of a centrifugal pump in accordance with the invention, comprising, among other things, a pump housing (72), a shaft (12), an impeller arranged on the shaft and a dynamic seal (30, 32) arranged in connection with the shaft (12), and a static seal arranged in connection with the shaft (12) behind the dynamic seal as seen from the impeller, said static seal comprising a flexible seal means (50) on the shaft (12) and a stationary counter ring thereof, is that a seal cover (62) including a stationary counter ring (60) is adjustable in the axial direction of the pump.

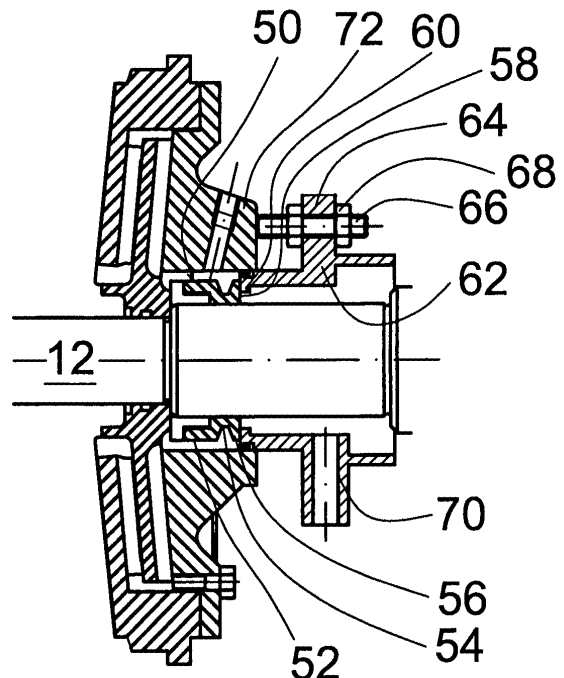


Fig. 2

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		26 September 2008	Ingelbrecht, Peter
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-09-2008

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82