

Title (en)

METHOD AND APPARATUS RELATED TO SERVICING OF LIQUID RING PUMPS

Title (de)

VERFAHREN UND VORRICHTUNG IM ZUSAMMENHANG MIT DER WARTUNG VON FLÜSSIGKEITSRINGPUMPEN

Title (fr)

PROCÉDÉ ET APPAREIL SE RAPPORTANT À L'ENTRETIEN DE POMPES À ANNEAU LIQUIDE

Publication

EP 3765742 A4 20211215 (EN)

Application

EP 19767637 A 20190314

Priority

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- IB 2019052065 W 20190314

Abstract (en)

[origin: GB2571972A] A liquid ring pump (2, fig 1) comprises a shaft 8 passing into an annular chamber (6, fig 1) of a housing 4. A liquid ring pump component 22 disposed around the shaft is coupled between the shaft and the housing. A method for decoupling the component from the pump comprises using a fixing member 62 to couple an end of the shaft to the housing to prevent or oppose movement of the shaft relative to the housing in at least a radial direction. The component is then slid along the shaft towards the first end of the shaft, which spaces apart the housing and the component. The shaft may be retained in a horizontal orientation, and is prevented from bending. The component may be cleaned, repaired or replaced. The component may be a mechanical seal. A system comprises the liquid ring pump, the fixing member and the component, where the component prevents or opposes movement of the shaft relative to the housing in at least a radial direction.

IPC 8 full level

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CPC (source: EP GB US)

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Citation (search report)

- [A] US 2013209251 A1 20130815 - DIAKOMIS ATHANASIOS [US], et al
- [A] US 5423614 A 19950613 - WUNNER CHARLES H [US], et al
- [A] US 5120206 A 19920609 - GREENSTREET ARTHUR W [US], et al
- See references of WO 2019175818A1

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DOCDB simple family (application)

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