

Title (en)
CENTRIFUGAL PUMP WITH IMPROVED SUCTION NECK SEAL

Title (de)
KREISELPUMPE MIT VERBESSERTER SAUGHALSDICHTUNG

Title (fr)
POMPE CENTRIFUGE À JOINT D'ÉTANCHÉITÉ POUR BRIDE D'ASPIRATION AMÉLIORÉ

Publication
EP 3467319 A1 20190410 (DE)

Application
EP 18000558 A 20180625

Priority
EP 18000558 A 20180625

Abstract (en)
[origin: CN211314647U] The utility model relates to a centrifugal pump (50) and a centrifugal pump assembly. Wherein the centrifugal pump (50) has a pump housing (1, 1a, 1b) and at least one impeller (2) arranged in the pump housing (1, 1a, 1b) for conveying a liquid, the impeller (2) is provided with an air inlet pipe joint (10a); wherein the intake connection (10a) is sealed radially with respect to the pump housing (1, 1a, 1b) by means of a wear ring (14), characterized in that the wear ring (14) is slotted and in that the pump housing (1, 1a, 1b) has an adjustment unit, by means of which the diameter of the wearing (14) can be adjusted.

Abstract (de)
Kreispumpe (50) mit einem Pumpengehäuse (1, 1a, 1b) und zumindest einem darin angeordneten Laufrad (2) zur Förderung einer Flüssigkeit, welches einen Saughals (10a) aufweist, der radial zum Pumpengehäuse (1, 1a, 1b) durch einen Schleifring (14) abgedichtet ist, dadurch gekennzeichnet, dass der Schleifring (14) geschlitzt ist und das Pumpengehäuse (1, 1a, 1b) eine Verstelleinheit (15, 21) aufweist, mittels welcher der Durchmesser des Schleifrings (14) einstellbar ist.

IPC 8 full level
F04D 29/16 (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01); **F16J 15/16** (2006.01)

CPC (source: EP)
F04D 29/167 (2013.01); **F04D 29/426** (2013.01); **F04D 29/622** (2013.01)

Citation (search report)
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• [Y] US 8690534 B1 20140408 - JANOCKO DAVID JEFFREY [US], et al
• [A] US 1545608 A 19250714 - SCHMIDT JOHN J, et al
• [A] WO 9848173 A1 19981029 - TOYO PUMPS NORTH AMERICA CORP [CA], et al
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CN110345082A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3467319 A1 20190410; **EP 3467319 B1 20220330**; CN 211314647 U 20200821

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