

Title (en)

ASSEMBLY FOR SEALING A ROTATIONAL CONNECTION

Title (de)

ANORDNUNG ZUM ABDICHTEN EINER DREHVERBINDUNG

Title (fr)

AGENCEMENT POUR ÉTANCHÉIFIER UNE LIAISON ROTATIVE

Publication

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Application

**EP 11739104 A 20110805**

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Abstract (en)

[origin: WO2012017094A2] The invention relates to an assembly for sealing a rotational connection, comprising at least one first annular main part (2) and at least one second annular main part (3), which are arranged concentrically about a common axis, and wherein at least one annular main part is rotatably arranged relative to at least one other annular main part, and wherein at least one circumferential gap (18) is provided between the at least one first annular main part (2) and the at least one second annular main part (3); wherein the first annular main part (2) comprises at least one convex profile curvature (8) projecting in the direction of the second annular main part (3), and wherein the second annular main part (3) comprises at least one convex profile curvature (9) projecting in the direction of the first annular main part (2); at least one sealing element (4), which is received in the circumferential gap (18) and which is sealingly seated against the first annular main part (2) and the second annular main part (3); wherein the sealing element (4) comprises at least four sealing lips (21), which are arranged in respective pairs, and wherein a respective pair of sealing lips (21) is associated with a respective convex profile curvature (21) such that in each case two sealing lips (21) enclose a convex profile curvature (21) and are sealingly seated thereon; wherein the sealing element (4) has axial symmetry with respect to at least one axis of symmetry (6), and wherein the at least one axis of symmetry is inclined relative to a vertical axis (13); and wherein the convex profile curvatures (8), (9) have points that project farthest in the direction of the sealing element (4), and wherein said points are essentially located on an axis (12) perpendicular to the axis of symmetry (6).

IPC 8 full level

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