Claims

1. An axially split pump for conveying a fluid, including:
   - an axially split housing that comprises a bottom part and a cover;
   - a rotatable shaft defining an axial direction; and
   - a first side cover configured to close a first open end of the housing in the axial direction;
   - wherein the first side cover has a first contact surface configured to cooper-ate with a second contact surface provided at the housing, the second con-tact surface extending along both the bottom part and the cover;
   - wherein the bottom part has a first sealing surface and the cover has a sec-ond sealing surface, the bottom part and the cover being configured to be fastened to one another in such a way that the first and second sealing sur-faces are in direct contact with one another;
   - wherein at least one sealing groove is formed in one or both of the first and second sealing surfaces for the reception of a string-like sealing element, the sealing groove extending up to the second contact surface of the hous-ing;
   - wherein a recess surrounding the shaft is provided in the second contact surface; and
   - wherein a projection surrounding the shaft is provided in the first contact surface of the first side cover, the recess and the projection being config-ured and arranged so as to form together a ring-shaped groove for the re-ception of a ring-shaped sealing element in a mounted state of the first side cover to the housing.

2. A pump in accordance with claim 1, further comprising a string-like sealing element inserted into the at least one sealing groove and a ring-like sealing element inserted into the ring-shaped groove.

3. A pump in accordance with claim 2, wherein the string-like sealing element has a planar cross-sectional surface at the second contact surface.

4. A pump in accordance with any one of the preceding claims, wherein the at least one sealing groove opens substantially perpendicularly into the ring-shaped groove.

5. A pump in accordance with any one of the preceding claims, wherein the at least one sealing groove is present in the bottom part of the housing.

6. A pump in accordance with any one of the preceding claims, further including:
   - a second side cover configured to close a second open end of the housing in the axial direction opposite the first open end;
   - wherein the at least one sealing groove extends from the second contact surface up to the second open end of the pump; and
   - wherein the string-like sealing element inserted into the at least one sealing groove extends over a total longitudinal extent of the at least one sealing groove.

7. A pump in accordance with any one of the preceding claims, wherein the ring-shaped groove formed by the recess and the projection have a sub-stantially rectangular cross-sectional surface perpendicular to a longitudinal extent thereof.

8. A pump in accordance with any one of the preceding claims, wherein the ring-shaped groove has a width in the radial direction that is larger than a width of the string-like sealing element.

9. A pump in accordance with any one of the preceding claims, wherein the ring-like sealing element inserted into the ring-shaped groove has a circular or elliptical cross-sectional configuration.

10. A pump in accordance with any one of the preceding claims, wherein the ring-like sealing element has a height in the axial direction that is larger than a depth of the ring-shaped groove in the axial direction.

11. A pump in accordance with any one of the preceding claims, wherein the at least one sealing groove has a cut-out at an opening into the second con-tact surface, the cut-out being arranged lying radially inward with respect to the at least one sealing groove.

12. A pump in accordance with claim 11, further including:
- an elastic pre-loading element inserted into the cut-out, the pre-loading el-ement exerting a radially outwardly directed pre-load on the string-like seal-ing element.

13. A pump in accordance with claim 12, wherein the pre-loading element is spring elastic and extends in parallel with the string-like sealing element.

14. A pump in accordance with claim 13, wherein the pre-loading element is a spring.

15. A pump in accordance with any one of the preceding claims, wherein the ring-like sealing element and the string-like sealing element are produced from an elastomer.

16. A pump in accordance with claim 15, wherein the elastomer is one of nitrile rubber or nitrile butadiene rubber.

17. A pump in accordance with any one of the preceding claims, configured as a centrifugal pump having a design pressure of one of at least 50 bar or at least 100 bar.