CLAIMS

1. A connection assembly between a drive-side structure (14) and a transmission outer ring (12) sealing a transmission arranged radially inside, wherein axially on both axial sides of an annular chamber (16) a peripheral guide (17) is configured between the transmission outer ring (12) and drive-side structure (14), wherein a connection element (18) has elastically deformable bulges (26) spaced over the peripheral extension, and under elastic deformation of the bulges (26), forms a force-fit connection between the transmission outer ring (12) and the drive-side structure (14), wherein between the transmission outer ring (12) and the drive-side structure (14), the annular chamber (16) is configured having the connection element (18) arranged therein, and that a recess (23) is configured between the two peripheral guides (17) on the drive-side structure (14).

2. The connection assembly (10) according to claim 1, characterized in that a peripheral guide (17) is configured on both sides of the annular chamber (16).

3. The connection assembly (10) according to claim 1 or 2, characterized in that the annular chamber (16) is configured as a peripheral-side recess in the drive-side structure (14).

4. The connection assembly (10) according to claim 1 or 2, characterized in that the annular chamber (16) is configured as a peripheral-side recess in the transmission outer ring (12).

5. The connection element (10) according to claim 1, characterized in that in a region of the recess (23) on the drive-side structure (14), there is a chamfered insertion section (24).

6. The connection assembly (10) according to claim 5, characterized in that the recess (23) effects at least a two-stage guide of the transmission outer ring (12).

7. The connection assembly (10) according to one of the previous claims, characterized in that on the transmission outer ring (12), a recess (13) is configured for centering of a drive-side bearing flange.

8. The connection assembly (10) according to one of the previous claims, characterized in that the connection element (18) is defined to be band-like with spaced-apart radially extended bulges (26).

9. A robot joint unit with a connection assembly (10) according to one of the previous claims.

10. Robot arm with a connection assembly (10) according to one of the previous claims.