Patent Claims

1. Secondary part (17) for securing on and/or in a dental implant (1) and suitable for receiving an auxiliary part or tertiary part, comprising a secondary-part body (22) with a recess (21) on the inside, further comprising a secondary-part screw (20) receiveable or received in the recess (21), wherein the secondary part (17), in particular the secondary-part body (22) and/or the secondary-part screw (20), has a screwing-in mechanism in the form of a contour for receiving a screwing-in tool, for screwing the dental implant (1), connected to the secondary part (17), into a jawbone, characterized in that the secondary-part screw (20) and/or the secondary-part body (22) has a self-retaining structure for the screwing-in tool.

2. Secondary part (17) according to Claim 1, characterized in that the self-retaining structure is arranged on a screw head (23) of the secondary-part screw (20).

3. Secondary part (17) according to Claim 1 or 2, wherein the self-retaining structure is formed by at least one slit (25) and/or a snap-fit structure (56)

4. Secondary part (17) according to one of Claims 1 to 3 wherein the self-retaining structure is designed as a resilient head.

5. Secondary part (17) according to Claim 1 to 4, characterized in that the screw head (23) of the secondary-part screw (20) has, on the outside, a screw contour for a screwdriver for securing and/or releasing the secondary part on or from the dental implant, and wherein the screw

head (23) is designed in particular as an external hexagon.

6. Secondary part (17) according to one of Claims 1 to5, characterized in that the secondary-part body (22) has, in the area of the screw head (23), a guide portion (24) for the screwdriver.

7. Secondary part (17) according to one of Claims 1 to 6, characterized in that the recess (21) is designed at least in part as a hexagon socket (29).

8. Secondary part (17) according to one of Claims 1 to 7, characterized in that the secondary-part body (22) has, on the outside, a contour (26) which, when used as intended, serves to shape the gingiva.

9. Secondary part (17), in particular according to one of Claims 1 to 8, characterized in that the secondary part (17) has a secondary-part body (22) with an in particular outer snap-fit contour (27) for the in particular releasable connection to an auxiliary part or tertiary part, wherein the secondary part (17) in particular has an anti-twist protection (19) for the auxiliary part or tertiary part.

10. Secondary part (17) according to Claim 9, characterized in that the snap-fit contour (27) for the in particular releasable connection to the auxiliary part or tertiary part is designed in such a way that an auxiliary part or tertiary part that can be snapped on and/or in the secondary part (17) can be pressed, substantially parallel to the snap-on direction, against a shoulder (33) of the

secondary part (17).

11. Secondary part (17) according to one of Claims 1 to 10, characterized in that the outside of the secondary-part body (22) is designed, for the intended use, tapering conically in parts in the direction of the end on which the auxiliary part or tertiary part can be received.

12. Secondary part (17) according to one of Claims 1 to 11, characterized in that the secondary-part body (22) has a neck area (30) which comprises in particular the snap-fit contour (27) for receiving the auxiliary part, wherein at least one depression (31) for receiving an adhesive is arranged on the outside in the neck area (30) in such a way that the secondary-part body (22) can be securely connected in the neck area (30) to the tertiary part (28).

13. Secondary part (17) according to Claim 12, characterized in that the depression (31) is designed as a depression (31) which extends around the neck area (30).

14. Secondary part (17) according to Claim 13 characterized in that the depression (31) is arranged in a plane substantially perpendicular to the longitudinal axis (A) of the dental implant.

15. Secondary part (17) according to Claim 13 or 14, characterized in that two depressions (31) are arranged extending around the neck area (30) and are spaced apart from each other substantially parallel to the longitudinal axis (A) of the dental implant.

16. Secondary part (17) according to one of Claims 1 to 15, characterized in that the secondary-part screw (20) has at least one predetermined break area (32), in particular between the screw head (23) and the thread of the secondary-part screw (20).

17. Secondary part (17) according to one of Claims 1 to 16, characterized in that the secondary-part body (22) has an in particular internal release thread (48) for a release instrument.

18. Set (45) comprising a dental implant (1) and a secondary part (17), in particular according to one of Claims 1 to 17, characterized in that the secondary part (17) is pre-assembled in the dental implant (1), and the secondary part (17), in particular a secondary-part body (22) and/or a secondary-part screw (20), is designed as a screwing-in mechanism in the form of a contour for receiving a screwing-in tool for the dental implant (1).

19. Set (45) according to Claim 18, characterized in that the secondary part (17) is pre-assembled in the dental implant (1) by means of a secondary-part screw (20).

20. Package (49) containing a set (45) according to Claim 18 or 19.

21. Package (49) according to Claim 20, characterized in that the package (49) contains a sterile set (45).

Patent Claims

1. Secondary part (17) for securing on and/or in a dental implant (1) and suitable for receiving an auxiliary part or tertiary part, comprising a secondary-part body (22) with a recess (21) on the inside, further comprising a secondary-part screw (20) receiveable or received in the recess (21), wherein the secondary part (17), in particular the secondary-part body (22) and/or the secondary-part screw (20), has a screwing-in mechanism in the form of a contour for receiving a screwing-in tool, for screwing the dental implant (1), connected to the secondary part (17), into a jawbone, characterized in that the secondary-part screw (20) and/or the secondary-part body (22) has a self-retaining structure for the screwing-in tool.

2. Secondary part (17) according to Claim 1, characterized in that the self-retaining structure is arranged on a screw head (23) of the secondary-part screw (20).

3. Secondary part (17) according to Claim 1 or 2, wherein the self-retaining structure is formed by at least one slit (25) and/or a snap-fit structure (56)

4. Secondary part (17) according to one of Claims 1 to 3 wherein the self-retaining structure is designed as a resilient head.

5. Secondary part (17) according to Claim 1 to 4, characterized in that the screw head (23) of the secondary-part screw (20) has, on the outside, a screw contour for a screwdriver for securing and/or releasing the secondary part on or from the dental implant, and wherein the screw

head (23) is designed in particular as an external hexagon.

6. Secondary part (17) according to one of Claims 1 to5, characterized in that the secondary-part body (22) has, in the area of the screw head (23), a guide portion (24) for the screwdriver.

7. Secondary part (17) according to one of Claims 1 to 6, characterized in that the recess (21) is designed at least in part as a hexagon socket (29).

8. Secondary part (17) according to one of Claims 1 to 7, characterized in that the secondary-part body (22) has, on the outside, a contour (26) which, when used as intended, serves to shape the gingiva.

9. Secondary part (17), in particular according to one of Claims 1 to 8, characterized in that the secondary part (17) has a secondary-part body (22) with an in particular outer snap-fit contour (27) for the in particular releasable connection to an auxiliary part or tertiary part, wherein the secondary part (17) in particular has an anti-twist protection (19) for the auxiliary part or tertiary part.

10. Secondary part (17) according to Claim 9, characterized in that the snap-fit contour (27) for the in particular releasable connection to the auxiliary part or tertiary part is designed in such a way that an auxiliary part or tertiary part that can be snapped on and/or in the secondary part (17) can be pressed, substantially parallel to the snap-on direction, against a shoulder (33) of the

secondary part (17).

11. Secondary part (17) according to one of Claims 1 to 10, characterized in that the outside of the secondary-part body (22) is designed, for the intended use, tapering conically in parts in the direction of the end on which the auxiliary part or tertiary part can be received.

12. Secondary part (17) according to one of Claims 1 to 11, characterized in that the secondary-part body (22) has a neck area (30) which comprises in particular the snap-fit contour (27) for receiving the auxiliary part, wherein at least one depression (31) for receiving an adhesive is arranged on the outside in the neck area (30) in such a way that the secondary-part body (22) can be securely connected in the neck area (30) to the tertiary part (28).

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17. Secondary part (17) according to one of Claims 1 to 16, characterized in that the secondary-part body (22) has an in particular internal release thread (48) for a release instrument.

18. Set (45) comprising a dental implant (1) and a secondary part (17), according to one of Claims 1 to 17, characterized in that the secondary part (17) is pre-assembled in the dental implant (1), and the secondary part (17), in particular a secondary-part body (22) and/or a secondary-part screw (20), is designed as a screwing-in mechanism in the form of a contour for receiving a screwing-in tool for the dental implant (1).

19. Set (45) according to Claim 18, characterized in that the secondary part (17) is pre-assembled in the dental implant (1) by means of a secondary-part screw (20).

20. Package (49) containing a set (45) according to Claim 18 or 19.

21. Package (49) according to Claim 20, characterized in that the package (49) contains a sterile set (45).