PATENT CLAIMS

1. A dental mirror sucker (10) for extracting liquids and particles from an oral cavity of a patient, with a hollow tubular base body (12), which has an inner surface (14), an outer surface (16), a longitudinal axis (X-X), a connection port (18) for a hose, and a suction opening (20), wherein

   - the inner surface (14) has a mirror (22) which can be observed through the suction opening (20), with a mirror surface (24) and a mirror rear side (46),

   - the base body (12) is formed from a first base body part (32) and a second body part (34),

   - the two base body parts (32, 34) are joined together without any gaps such that they together form a one-piece base body (12) and that after production the two base body parts can only be separated from one another once again by a destructive process,

   characterised in that,

   - the mirror (22) is held in a mirror receptacle (48) of the first base body part (32) in an opening (28), the inner wall (30) of which forms an upper support shoulder (40), which makes contact with an outer wall (36) of the mirror (24), wherein the upper support shoulder (40) is formed by the first base body part (32) only and surrounds the entire outer circumference of the mirror (22),
   - the first base body (32) part forms almost the

whole of the base body of the mirror sucker and the second base body part (34) is arranged in the region of the rear side of the mirror, on the bottom side of the mirror sucker,

- the opening (28) of the first base body part (34) tapers from a base body bottom side (42) in the direction of the suction opening (20), and on the side facing the base body bottom side (42) has a diameter that is larger than the diameter of the mirror (22).

2. The dental mirror sucker (10) in accordance with claim 1,

characterised in that,

the second base body part (34) makes contact with the mirror rear side (46).

3. The dental mirror sucker (10) in accordance with claim 1 or claim 2,

characterised in that,

the mirror (20) is designed in a circular shape.

4. The dental mirror sucker (10) in accordance with one of the claims 1 to 3,

characterised in that,

the inner wall (30) of the opening (28) forms a lower support shoulder, which makes contact with an outer wall (36) of the mirror (22).

5. The dental mirror sucker (10) in accordance with claim

4,

characterised in that,

the second base body part (32) forms the lower support shoulder.

6. The dental mirror sucker (10) in accordance with one of the claims 1 to 5,

characterised in that,

the mirror (22) is held without adhesive bonding in the first base body part (32).

7. The dental mirror sucker (10) in accordance with one of the claims 1 to 6,

characterised in that,

the base body parts (32, 34) are produced from plastic.

8. The dental mirror sucker (10) in accordance with claim 7,

characterised in that,

the two base body parts (32, 34) are welded together.

9. The dental mirror sucker (10) in accordance with claim 7 or claim 8,

characterised in that,

the second base body part (34) is injection moulded onto the first base body part (32).

10. A method for producing a dental mirror sucker (10) for extracting liquids and particles from an oral cavity of a patient, with a hollow base body (12), which has an outer surface (16), an inner surface (14), a longitudinal axis (X-X), and a suction opening (20), wherein

the inner surface (14) has a mirror (22) that can be observed through the suction opening (20), with a mirror surface (24) and a mirror rear side (46),

with the method steps:

- production of a first base body part (32) with a mirror receptacle (48) for the mirror (22), which has an opening (28) with an inner wall (30), wherein the inner wall (30) forms an upper support shoulder (40), wherein the upper support shoulder (40) is formed by the first base body part (32) only, and wherein the opening (28) of the first base body part (34) tapers from a base body bottom side (42) in the direction of the suction opening (20), and on the side facing the base body bottom side (42) has a diameter that is larger than the diameter of the mirror (22),

- insertion of the mirror (22) into the mirror receptacle, such that the upper support shoulder (40) surrounds the entire outer circumference of the mirror (22),

- production of a second base body part (34), and connection of the second base body part (34) with the first base body part (32) in the region of the mirror rear side (46) without any gaps, such that the two base body parts (32, 34) form a one-piece base body (12) and that after production

the two base body parts can only be separated from one another once again by a destructive process, wherein the first base body (32) part forms almost the whole of the base body of the mirror sucker.

11. The method in accordance with claim 10,

characterised in that,

both base body parts (32, 34) are produced from plastic, and the second base body part (34) is injection moulded onto the first base body part (32).