

CLAIMS:

1. A hand held personal care device (1) having:
- a main housing (2) arranged to be held by hand; and
 - an operative unit (3) connected to the main housing and adapted for carrying out a personal care operation to a body part of a user;
- 5 wherein the main housing:
- has a main axis of extension (36); and
 - accommodates a light indicator (4) for indicating an operational condition of the personal care device, said light indicator having a light emitting surface (6) extending circumferentially around the main housing (2) as a closed-loop surface about the main axis of extension (36), the light indicator further including an optically transparent light guide (23)
- 10 and at least one light source (24, 25, 26);
- characterized in that:
- the light emitting surface (6) of the light indicator (4) is a closed-loop surface of the light guide (23) which faces in a direction having a main component in an outward
- 15 radial direction relative to the main axis of extension (36);
- the light guide has a light receiving surface (27, 28, 29) arranged in an average axial position relative to the main axis of extension further away from the operative unit (3) than an average axial position of the light emitting surface, and facing in a direction having a main component in an axial direction relative to the main axis of extension away from the
- 20 operative unit;
- the at least one light source (24, 25, 26) is arranged, in the axial direction, in a position adjacent to the light receiving surface such that, during operation, light generated by the light source is received by the light receiving surface;
 - the light guide has a light guiding wall (31) extending from the light receiving
- 25 surface to the light emitting surface, wherein at least a portion of the light guiding wall including the closed-loop surface of the light guide extends as a closed-loop wall portion (40) about the main axis of extension; and
- seen in cross-section comprising the main axis of extension, said light guiding wall is curved and gradually spreads out from an orientation with a main component parallel

to the main axis of extension at the light receiving surface to an orientation with a main component perpendicular to the main axis of extension at the light emitting surface.

2. A device (1) according to claim 1, wherein the main housing (2) has a total
5 axial length along the main axis of extension (36), and comprises a first housing portion to which the operative unit (3) is connected and a second housing portion remotely arranged from the operative unit, wherein the light emitting surface (6) extends circumferentially around the first housing portion, and wherein the first housing portion has an axial length along the main axis of extension $\leq 50\%$ of the total axial length.
- 10 3. A device (1) according to claim 2, wherein the axial length of the first housing portion $\leq 33\%$ of the total axial length.
4. A device (1) according to any of the claims 1-3, wherein the device (1) is an
15 electric shaving device, and wherein the operative unit (3) is a shaving unit.
5. A device (1) according to any of the claims 1-4, wherein:
- the light guiding wall (31) of the light guide (23) is a tub-shaped wall;
 - the light emitting surface (6) extends along a first circumferential edge (41) of
20 the tub-shaped wall at a side of the tub-shaped wall facing the operative unit (3); and
 - the light receiving surface (27, 28, 29) extends along a second circumferential edge (42) of the tub-shaped wall at a side of the tub-shaped wall remote from the operative unit.
- 25 6. A device (1) according to any of the claims 1-5, wherein the light indicator (4) includes a plurality of light sources (24, 25, 26) arranged, in the axial direction, in distributed positions adjacent to the light receiving surface (27, 28, 29).
7. A device (1) according to any of the claims 1-6, wherein the light guiding wall
30 (31) has at least two indentations (32, 33, 34, 35) extending from the light receiving surface in a direction towards the light emitting surface (6), said indentations forming interruptions of the light receiving surface dividing the light receiving surface into at least two light receiving surface portions (27, 28, 29).

8. A device (1) according to claim 7, wherein the indentations (32, 33, 34, 35) each have two opposite side walls (43, 44, 45, 46, 47, 48, 49) that gradually converge from the light receiving surface (27, 28, 29) in the direction towards the light emitting surface (6).
- 5 9. A device (1) according to claim 7 or 8, wherein the light indicator (4) includes at least two light sources (24, 25, 26), wherein each light source is arranged, in the axial direction, in a position adjacent to a respective one of the at least two light receiving surface portions (27, 28, 29).
- 10 10. A device (1) according to any of the preceding claims, wherein a drive train (10, 11) connected to the operative unit (3) extends through said closed-loop light emitting surface (6).
- 15 11. A device (1) according to any of the preceding claims, wherein the at least one light source (24, 25, 26) is arranged in a watertight chamber (51) of the main housing (2), and wherein the light guide (23) is arranged outside said watertight chamber and separated from the at least one light source and the watertight chamber by an optically transparent sealing member (13) of the watertight chamber.
- 20 12. A device (1) according to claim 11, wherein the sealing member (13) has an optically transparent wall (52) and wherein, during use, light generated by the light source (24, 25, 26) is transmitted to the light receiving surface (27, 28, 29) of the light guide (23) via said optically transparent wall.
- 25 13. A device (1) according to claim 12, wherein the light guide (23) is arranged such that the light receiving surface (27, 28, 29) is in direct contact with said optically transparent wall (52) of the sealing member (13).