

Auxiliary Request 5c

Claims

1. A dental assembly comprising
an abutment (14) with a longitudinal axis, a sidewall (29), and comprising a cavity (30) along the longitudinal axis and a slot (28) in the sidewall (29) adapted to allow a driver to access a screw (20) in the cavity at an angle relative to the longitudinal axis;
a prosthesis (16) having a driver access channel (18), the driver access channel (18) having an opening on at least one surface of the prosthesis, the prosthesis (16) placed over the abutment such that the driver access channel of the prosthesis and the slot (28) in the sidewall (29) of the abutment (14) overlap; and
a screw (20) within the cavity of the abutment (14),
characterized in that the screw (20) is contained within the cavity (30) of the abutment (14) and the driver access channel (18) is sized such that the screw (20) is not passable through the driver access channel (18); and
characterized in that the abutment (14) comprises an anti-rotation feature (22) at an apical portion (24) of the abutment (14) that interfaces with engaging features at a coronal end of an implant to position the abutment (14) radially.
2. The dental assembly of claim 1, the abutment (14) further comprising a coronal portion (26), wherein the apical portion (24) is a first color and the coronal portion (26) is a second color different from the first color.
3. The dental assembly of claim 1, further comprising an implant (12) adapted for connection to the abutment (14) via the screw (20).
4. The dental assembly of claim 3, wherein the apical portion (24) is configured to be positioned within a gingival region of a patient's mouth and a coronal portion (26) configured to support the prosthesis (16).
5. The dental assembly of claim 1, wherein the cavity (30) of the abutment (14) has a height that corresponds to a height of the screw (20).
6. The dental assembly of claim 1 wherein the opening of the driver access channel (18) is an elliptical shape having a long axis (45) and a short axis (47), the long axis (45)