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(54) Title: ILLUMINATION SOURCES AND METHOD FOR DENTAL TRANSILLUMINATION

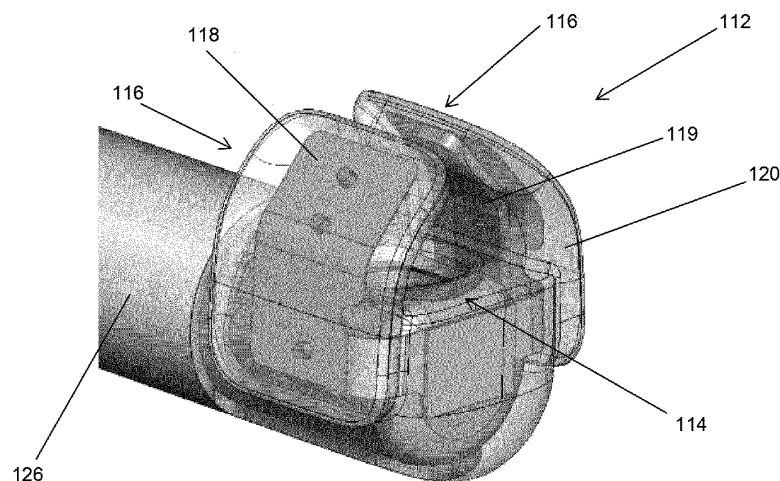


Fig. 2

(57) Abstract: A head portion (112) for a device for transillumination of a tooth comprises: a central portion (114), arranged to receive light from the tooth for imaging an occlusal/incisal view of the tooth, and first and second flexible wing portions (116) extending from the central portion (114). The first flexible wing portion is configured to contact a first side of the tooth, and the second flexible wing portion is configured to contact a second side of the tooth, opposite to the first side. The first flexible wing portion comprises a first plurality of illumination sources for illuminating the tooth from the first side, and the second flexible wing portion comprises a second plurality of illumination sources for illuminating the tooth from the second side, and wherein the first and second plurality of illumination sources are controllable to produce multiple different lighting conditions.

[Continued on next page]

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