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(54) DEVICE AND METHOD FOR OPTICAL 3D MEASUREMENT AND FOR COLOR MEASUREMENT

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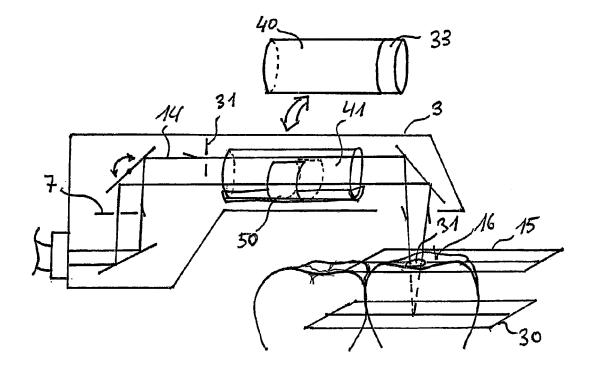
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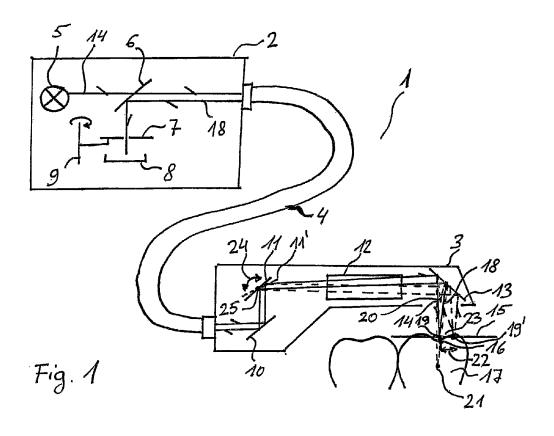
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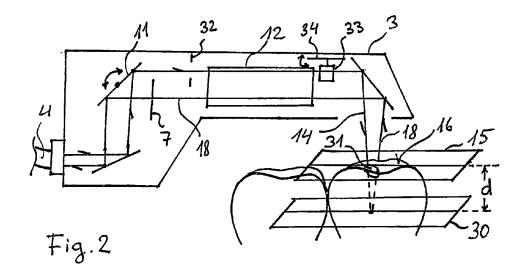
(57)ABSTRACT

The invention relates to a device and a method for optical 3D measurement, wherein said device can be switched between a first mode for optical 3D measurement using a chromatic confocal measurement method or the triangulation measurement method and a second mode for colorimetric measurement. In the first mode, a broad-band illuminating beam is focused onto a first plane and in the second mode the broadband illuminating beam is focused onto a second plane other than the first plane at a distance d from the surface of the object to be measured.

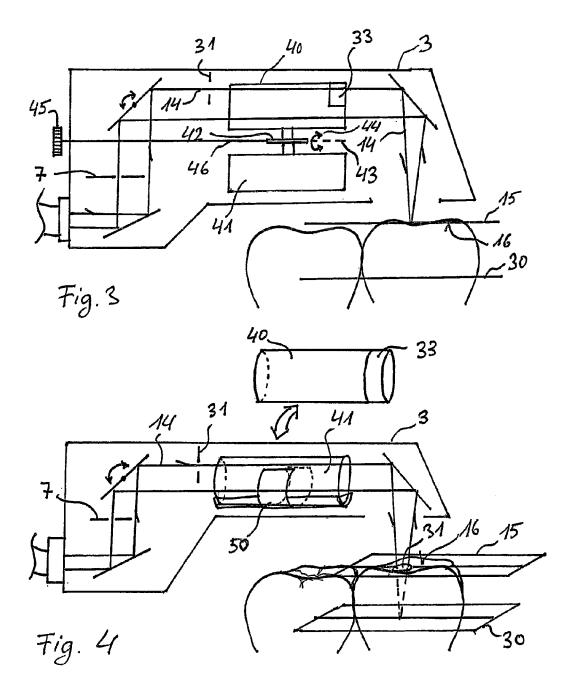




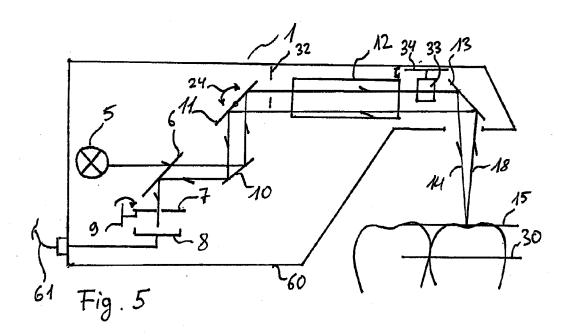


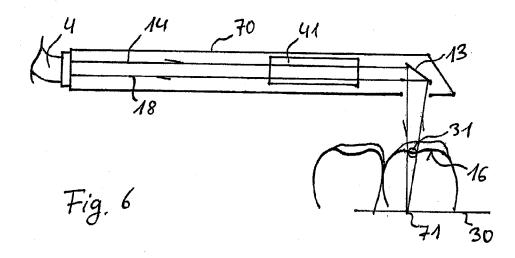




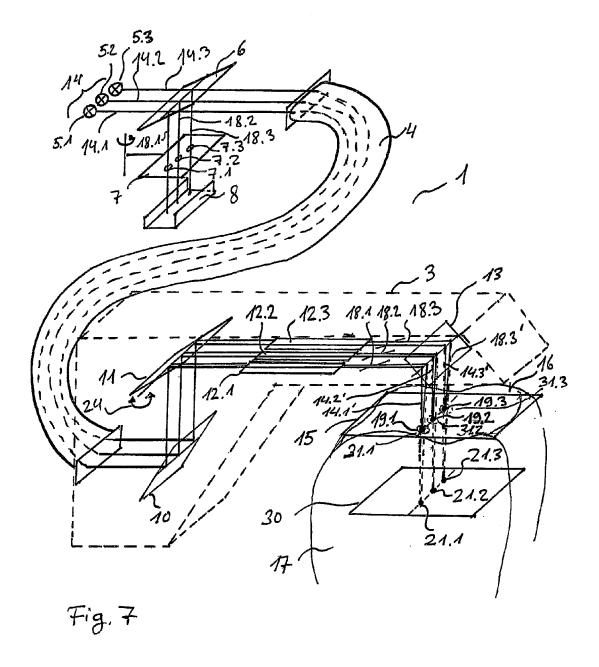














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