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(54) **FOCUS SCANNING APPARATUS**

**Related U.S. Application Data**

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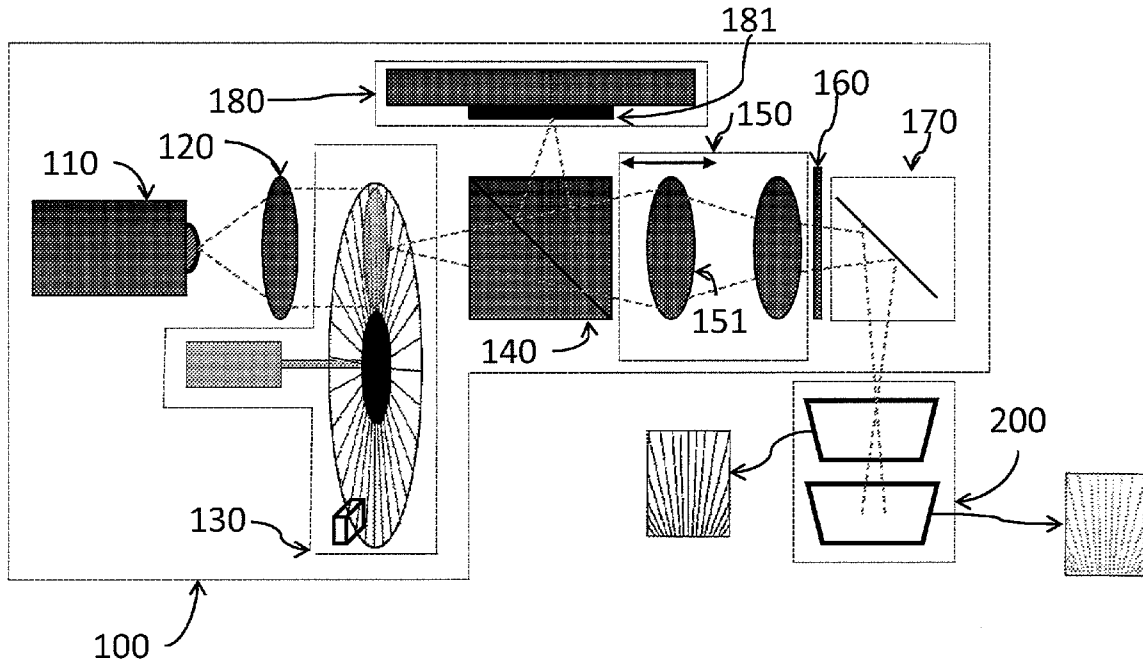
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(57) **ABSTRACT**

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Disclosed is a handheld scanner for obtaining and/or measuring the 3D geometry of at least a part of the surface of an object using confocal pattern projection techniques. Specific embodiments are given for intraoral scanning and scanning of the interior part of a human ear.



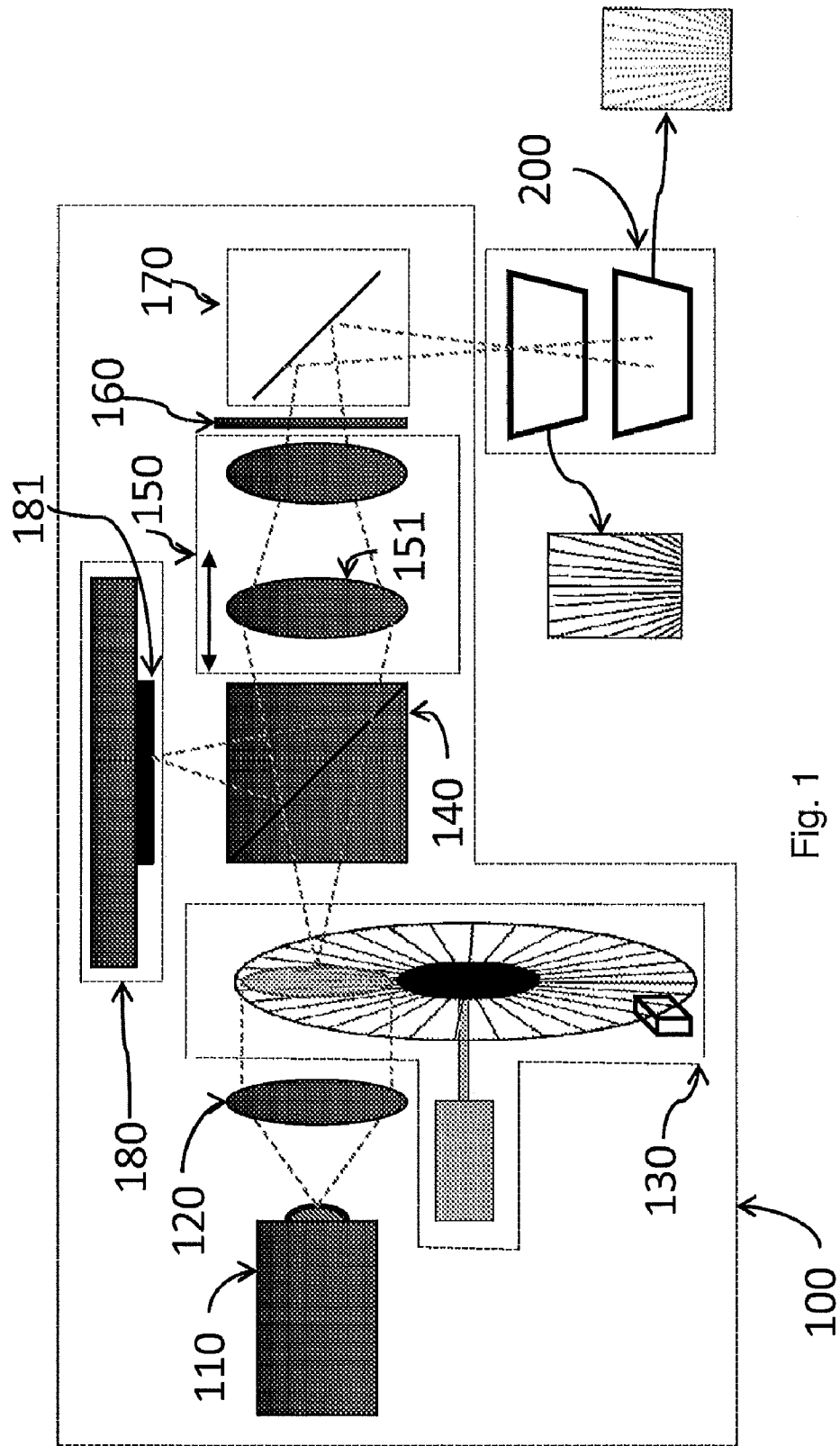


Fig. 1

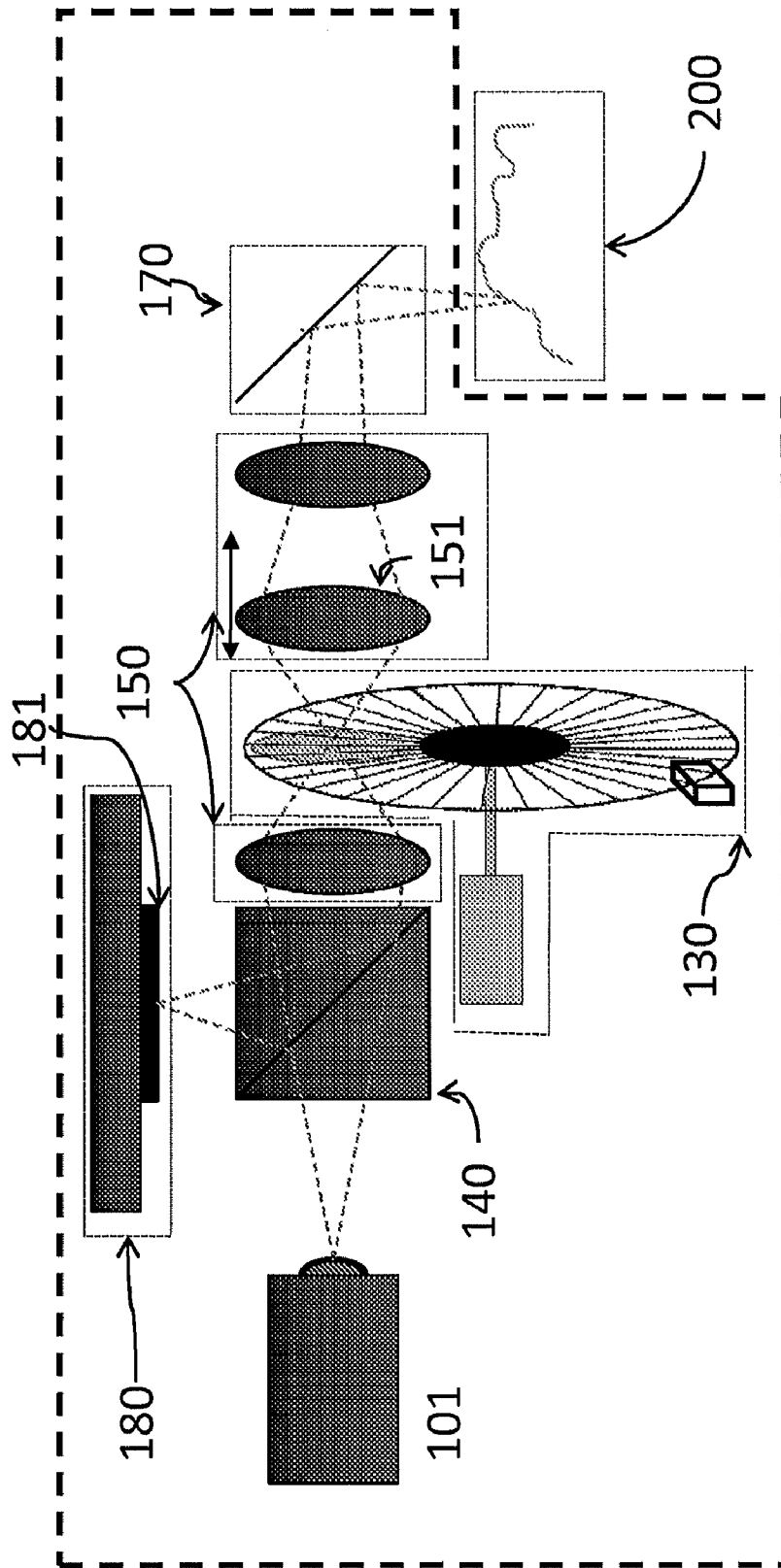


Fig. 2

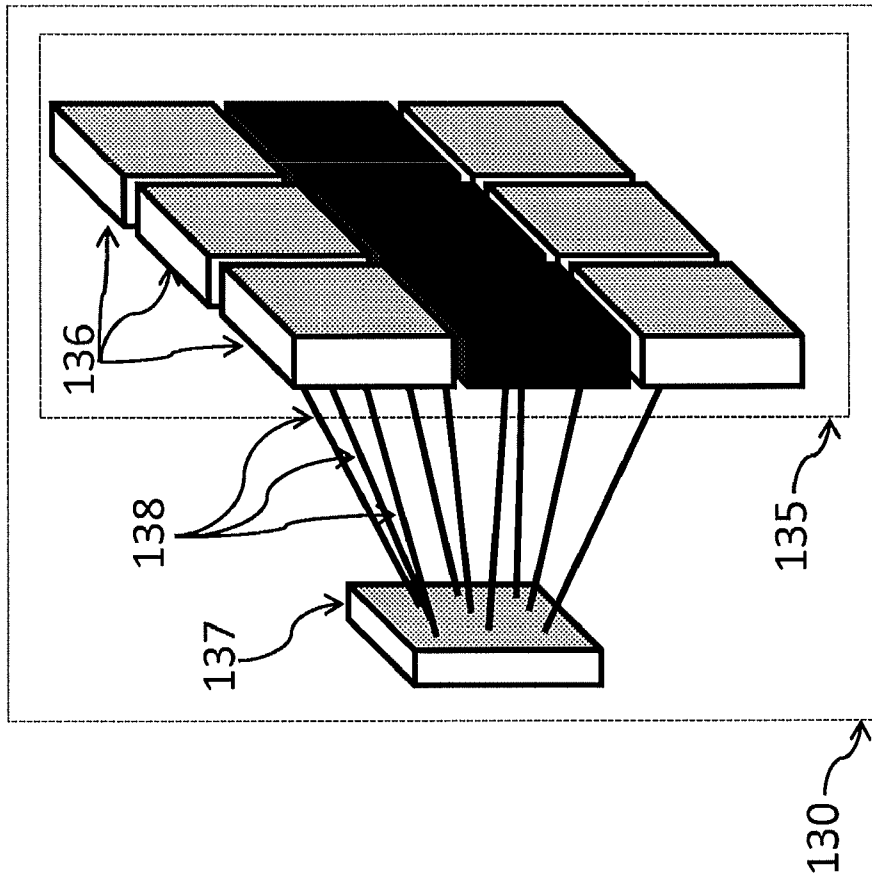


Fig. 3a

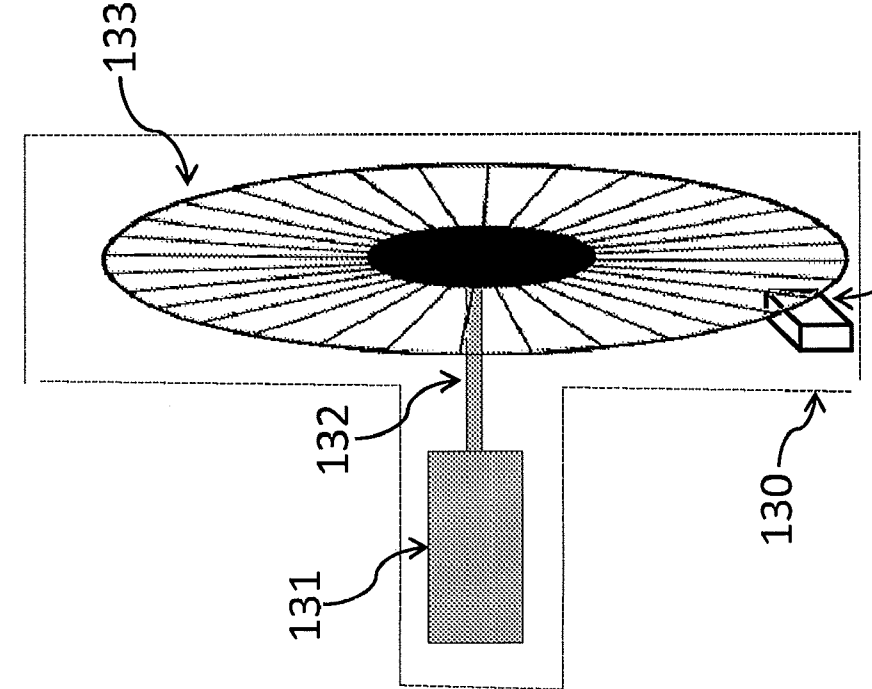
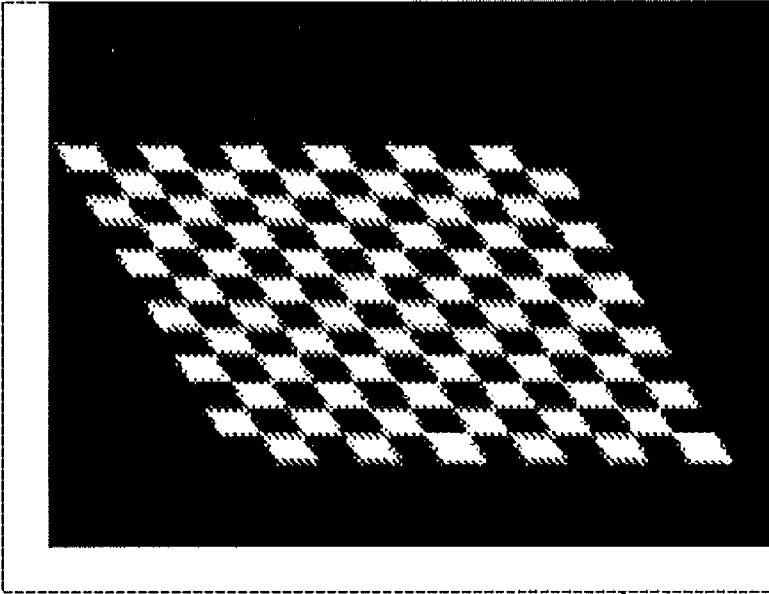


Fig. 3b



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Fig. 3c

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