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(54) **SYSTEMS, DEVICES, AND METHODS FOR LOWERING DENTAL X-RAY DOSAGE INCLUDING FEEDBACK SENSORS**

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See application file for complete search history.

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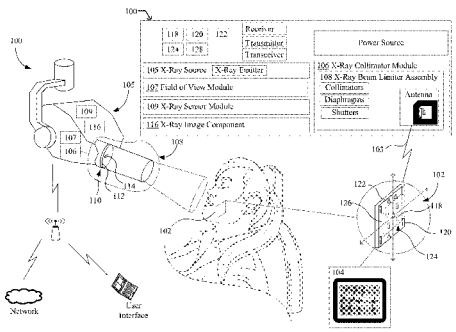
(57) **ABSTRACT**

Systems, devices, and methods are described for providing, among other things, an intra-oral x-ray imaging system configured to reduce patient exposure to x-rays, reduce amount of scatter, transmission, or re-radiation during imaging, or improve x-ray image quality. In an embodiment, an intra-oral x-ray imaging system includes an intra-oral x-ray sensor configured to communicate intra-oral x-ray sensor position information or intra-oral x-ray sensor orientation information to a remote x-ray source.

30 Claims, 10 Drawing Sheets