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(54) **DENTAL CYSTS DETECTOR**

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(58) **Field of Classification Search**

USPC 382/128–134; 378/62

See application file for complete search history.

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(57) **ABSTRACT**

A system and method for detecting a cyst from a dental radiographic image is provided. The system and method comprises comparing the radiographic image to a plurality of template images, calculating a cross correlation coefficient between a plurality of regions in the radiographic image and a corresponding plurality of regions in the template image, determining a cyst region in the radiographic image based on a value of the cross correlation coefficient and computing a severity level of the cyst.

24 Claims, 4 Drawing Sheets