Optimization of the Dental Direct Digital Imaging by applying the Self-Recognition Technology

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Abstract

This paper is intended to introduce the new invention to solve some disadvantageous of the direct digital radiology. Nowadays, digital radiology is the latest advancement in dental imaging, which has become an essential part of dentistry. There are two main parts of the direct digital radiology comprised of an intraoral X-ray machine and a sensor (digital image receptor). Actually, the dentists and the dental nurses experience some hinders during the taking photo by the direct digital X-ray machine. For instance, sometimes they need to readjust the sensor in the mouth of the patient to take the photo again due to the low quality of the photo. Another problem is, the position of the sensor may move in the mouth of the patient and it triggers off an inappropriate photo for the dentists. It means that it is a time-consuming process for dentists or dental nurses. On the other hand, taking the X-ray photo for many times brings some problems for the patient such as being harmful to their health and feeling pain in their mouth due to pressure of the sensor to the jaw. The author provides a new technology to solve these problems, which are called ''Self-Recognition Direct Digital Radiology'' and it means that the intraoral Xray machine is able to find the location of the sensor in the mouth of the patient automatically. In addition, to solve the aforementioned problems, this new technology brings out the less environmental impacts in comparison to the previous version.

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Biography:

Mina Dabirinezhad studies in dentistry in Sweden at the age of 28 years old. Also, she studies MBA and she was a manager in a private company for 5 years. She has published one paper in American society of Business and Behavioural Sciences (ASBBS).