



Dental Radiograph Imaging Detector and Device

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Experience:

PhD, University of Michigan, 2014

DDS, National Taiwan University, 2004

https://www.mc.ntu.edu.tw/dent/Vcard.action?q_type=-1&q_itemCode=265

Market Needs:

Periodontal or pediatric dental patients often need to take 15-20 pieces of periapical X-ray for their therapy or treatments. This procedure makes patients feel very uncomfortable and may even have to recapture images for 2-3 times if results are unacceptable, especially for children, geriatric patients. Moreover, conventional appliances & methods are painful, not handy, uncomfortable.

About 52 million of population have moderate to severe periodontitis, and even 1.5 billion people are suffering from this disease around the world. Besides, dental caries prevailed among children over the US, with 42% of school-age children, in a total of nearly 30 million people under age of 18y.

Our Technology:

We invented a new set of dental X ray film holders, with silicone-based materials, making it softer, more flexible, more physiologically designed. Clinical trials of these devices have been tested upon children and geriatric patients, and the results showed significant improvement upon some common clinical problems.

Strength:

1. Abundant practical clinic experiences among children & elders, whose endurance upon X ray taking is the worst. 2. Not many companies would improve discomfort brought by periapical films. 3. Our material suppliers are interested in dental industry, now they have the chance to enter by cooperating with us. 4. Extra-oral X ray machines manufacturers usually don't supply intra-oral devices. Good opportunity for strategic alliance. 5. Children healthcare is now taken more importantly.

Competing Products:

Bite Fork: Pain, uneasy to right position.

Cone Indicator: Painful, uncomfortable plastic rigid materials.

Intellectual Properties:

US Provisional Application - 108F0517-IE 「Dental Radiograph Imaging Detector and Device」

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