

Title (en)
DENTAL FLUOROSCOPIC IMAGING SYSTEM

Title (de)
DENTALES FLUOROSKOPISCHES BILDGEBUNGSSYSTEM

Title (fr)
SYSTÈME D'IMAGERIE FLUOROSCOPIQUE DENTAIRE

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EP 2434955 A1 20120404 (EN)

Application
EP 09833773 A 20091222

- Priority
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Abstract (en)
[origin: WO2010071680A1] The dental fluoroscopic imaging system includes a flat panel detector comprised by a gamma-rays or x-rays converter, a plate, a collector, a processing unit and a transmitter suitable for 2D intraoral/extraoral and 3D extraoral dental fluoroscopy. The x-ray converter contains a material capable of transforming the low dose gamma rays or x-rays beam received from an emitter after going through the dental examination area into electrical signals or a light image consequent with the radiographed image. The plate transmits the electric signals or light image to a collector which amplifies it and sends it to a processing unit and then to transmitter designed to transfer digital images sequentially to a host computer and software which can acquire, process, transform, record, freeze and enhance 2D and 3D images of video frame rates. Two dimensional images are obtained while using a C-arm/U-arm configuration while 3D images are obtained while using the O-arm configuration.

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