

Title (en)

AUTOMATED MEDICAL IMAGE ANNOTATION AND ANALYSIS

Title (de)

AUTOMATISIERTE ANNOTATION UND ANALYSE MEDIZINISCHER BILDER

Title (fr)

ANNOTATION ET ANALYSE AUTOMATISÉES D'IMAGES MÉDICALES

Publication

**EP 4026088 A1 20220713 (EN)**

Application

**EP 20775130 A 20200903**

Priority

- US 201916562285 A 20190905
- US 201916562286 A 20190905
- US 2020049237 W 20200903

Abstract (en)

[origin: WO2021046241A1] Systems and methods are provided for automatically marking locations within a radiograph of one or more dental pathologies, anatomies, anomalies or other conditions determined by automated image analysis of the radiograph by a number of different machine learning models. Image annotation data may be generated based at least in part on obtained results associated with output of the multiple machine learning models, where the image annotation data indicates at least one location in the radiograph and an associated dental pathology, restoration, anatomy or anomaly detected at the at least one location by at least one of the machine learning models. A user interface may present at least a portion of a radiograph's image data, along with display of visual bounding shapes appearing to be overlaid over the at least a portion of the image data to visually mark the presence and location of a given pathology or other condition.

IPC 8 full level

**G06T 7/00** (2017.01); **G06T 11/20** (2006.01)

CPC (source: EP KR)

**G06N 20/20** (2018.12 - KR); **G06T 7/0012** (2013.01 - EP KR); **G06T 11/20** (2013.01 - EP KR); **G06T 2207/10116** (2013.01 - EP KR); **G06T 2207/20084** (2013.01 - EP KR); **G06T 2207/30036** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021046241A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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**WO 2021046241 A1 20210311**; AU 2020342539 A1 20220324; CA 3149760 A1 20210311; EP 4026088 A1 20220713; KR 20220108028 A 20220802

DOCDB simple family (application)

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