Title (en)
GENERATING DENTAL PANORAMIC IMAGES

Title (de)
ERZEUGUNG DENTALER PANORAMABILDER

Title (fr)
PRODUCTION D'IMAGES PANORAMIQUES DENTAIRES

Publication
EP 3082609 A4 20180509 (EN)

Application
EP 14871134 A 20141218

Priority
- FI 20130379 A 20131218
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Abstract (en)
[origin: WO2015092119A1] The invention generally relates to generating digital dental panoramic images from multiple frame images acquired during a dental panoramic imaging scan about a patient's head. This generating includes using information of location and orientation of the x-ray beam and the x-ray detector at times when taking the frames in the procedure of summing information of the frames.

IPC 8 full level
A61B 6/14 (2006.01); **A61B 6/00** (2006.01); **A61B 6/03** (2006.01); **G06T 11/00** (2006.01)

CPC (source: EP FI KR RU)
A61B 6/03 (2013.01 - EP KR RU); **A61B 6/032** (2013.01 - FI); **A61B 6/4435** (2013.01 - KR); **A61B 6/466** (2013.01 - FI); **A61B 6/51** (2024.01 - EP FI KR RU); **A61B 6/5205** (2013.01 - EP RU); **G06T 3/4038** (2013.01 - EP KR RU); A61B 6/4435 (2013.01 - EP)

Citation (search report)
- [X] K OGAWA ET AL: "Development of a new dental panoramic radiographic system based on a tomosynthesis method", DENTO-MAXILLO-FACIAL RADIOLOGY, vol. 39, no. 1, 1 January 2010 (2010-01-01), SE, pages 47 - 53, XP055302062, ISSN: 0250-832X, DOI: 10.1259/dmfr/12999660
- [X] AKITOSHI KATSUMATA ET AL: "Initial evaluation of linear and spatially oriented planar images from a new dental panoramic system based on tomosynthesis", ORAL SURGERY, ORAL MEDICINE, ORAL PATHOLOGY, ORAL RADIOLOGY AND ENDODONTICS, MOSBY-YEAR BOOK, ST. LOUIS, MO, US, vol. 112, no. 3, 14 April 2011 (2011-04-14), pages 375 - 382, XP028258083, ISSN: 1079-2104, [retrieved on 20110502], DOI: 10.1016/J.TRIPLEO.2011.04.024
- See also references of WO 2015092119A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015092119 A1 20150625; CN 105934201 A 20160907; CN 105934201 B 20190827; CN 110353717 A 20191022; EP 3082609 A1 20161026; EP 3082609 A4 20180509; FI 125761 B 20160215; FI 20130379 A 20150619; JP 2016540600 A 20161228; JP 6595480 B2 20191023; KR 20160098408 A 20160818; RU 2677830 C1 20190121

DOCDB simple family (application)
FI 2014000041 W 20141218; CN 201480074309 A 20141218; CN 201910704924 A 20141218; EP 14871134 A 20141218; FI 20130379 A 20131218; JP 2016540978 A 20141218; KR 20167018891 A 20141218; RU 2016125711 A 20141218