

Title (en)

SYSTEMS AND METHODS FOR CONTROLLING IMAGE CONTRAST IN AN X-RAY SYSTEM

Title (de)

SYSTEME UND VERFAHREN ZUR STEUERUNG DES BILDKONTRASTS IN EINEM RÖNTGENSYSTEM

Title (fr)

SYSTÈMES ET MÉTHODES POUR COMMANDER LE CONTRASTE D'IMAGE DANS UN SYSTÈME RADIOGRAPHIQUE

Publication

**EP 4157093 A4 20240124 (EN)**

Application

**EP 20938600 A 20200601**

Priority

US 2020035508 W 20200601

Abstract (en)

[origin: WO2021246998A1] An X-ray inspection system for scanning objects and providing corresponding contrast controlled scan images is provided. The system includes an X-ray source configured to generate an X-ray beam for irradiating the object where the X-ray source is coupled with at least a first beam filter having a first thickness and a second beam filter having a second thickness greater than the first thickness, a detector array, a processing unit, a user interface configured to receive a user input indicative of a desired level of contrast in an image, and a controller configured to adjust a position of at least one of the first or second beam filters based on the user input indicative of the desired level of contrast in the at least one image.

IPC 8 full level

**A61B 6/00** (2024.01); **G01N 23/00** (2006.01); **G01N 23/02** (2006.01); **G01N 23/04** (2018.01)

CPC (source: EP GB)

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Citation (search report)

- [A] US 2019187324 A1 20190620 - VIENNE AYMERIC [FR], et al
- See references of WO 2021246998A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2021246998 A1 20211209**; CN 115697202 A 20230203; EP 4157093 A1 20230405; EP 4157093 A4 20240124; GB 202216885 D0 20221228; GB 2609588 A 20230208

DOCDB simple family (application)

**US 2020035508 W 20200601**; CN 202080101575 A 20200601; EP 20938600 A 20200601; GB 202216885 A 20200601