Title (en)

METHOD AND APPARATUS FOR PROGRAMMABLE, REAL-TIME, MULTI-DOMENSIONAL OBJECT PATTERN RECOGNITION ALGORITHMS (OPRA)

Title (de)

VERFAHREN UND VORRICHTUNG FÜR PROGRAMMIERBARE ALGORITHMEN ZUR ERKENNUNG VON MEHRDIMENSIONALEN OBJEKTMUSTERN (OPRA) IN ECHTZEIT

Title (fr)

PROCÉDÉ ET APPAREIL POUR ALGORITHMES PROGRAMMABLES MULTIDIMENSIONNELS EN TEMPS RÉEL DE RECONNAISSANCE DE FORMES D'OBJETS (OPRA)

Publication

EP 3532988 A1 20190904 (EN)

Application

EP 17863921 A 20171030

Priority

- US 201615338256 A 20161028
- US 2017059133 W 20171030

Abstract (en)

[origin: AU2017347911A1] The present 3D-Flow OPRA is a revolutionary electronic instrument for multiple applications: advancing science, saving lives, finding and tracking fast moving objects, etc. It allows to build a flexible, scalable, technology-independent, cost effective powerful tool to uncover the unknown and to confirm or exclude the existence of a subatomic particle predicted by theoretical physicists. When used for Medical Imaging applications the 3D-Flow OPRA allows to accurately measure minimum abnormal biological processes of diseases at an early curable stage such as cancer in a 3D-CBS (3-D Complete Body Screening), improving diagnosis and prognosis to maximize reduction of premature deaths and minimize cost per each life saved. Both instruments, the 3D-Flow OPRA and the 3DCBS can benefit from the additional ER/DSU invention also described in this non-provisional patent application, which allows to record real data from detectors.

IPC 8 full level

G06K 9/00 (2006.01); **A61B 6/00** (2006.01)

CPC (source: EP US)

A61B 6/037 (2013.01 - EP); **A61B 6/5217** (2013.01 - EP US); **G01T 1/2985** (2013.01 - EP); **G06V 10/94** (2022.01 - US); G06V 2201/03 (2022.01 - EP)

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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