

Title (en)
SYSTEM AND METHOD FOR ANALYSIS OF LIGHT-MATTER INTERACTION BASED ON SPECTRAL CONVOLUTION

Title (de)
SYSTEM UND VERFAHREN ZUR ANALYSE VON LICHT-MATERIE-WECHSELWIRKUNG AUF DER BASIS VON SPEKTRALER FALTUNG

Title (fr)
SYSTÈME ET PROCÉDÉ D'ANALYSE DE L'INTERACTION LUMIÈRE-MATIÈRE EN SE BASANT SUR LA CONVOLUTION SPECTRALE

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Application
EP 09701382 A 20090107

Priority

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- US 6185208 P 20080616

Abstract (en)
[origin: WO2009089292A1] In embodiments of the present invention, systems and methods of a method and algorithm for creating a unique spectral fingerprint are based on the convolution of RGB color channel spectral plots generated from digital images that have captured single and/or multi-wavelength light-matter interaction.

IPC 8 full level
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A61B 5/0075 (2013.01 - EP); **A61B 5/1032** (2013.01 - EP); **G06T 7/0012** (2013.01 - EP US); **G06T 7/90** (2016.12 - EP); **G06V 10/56** (2022.01 - EP US); **G06V 40/10** (2022.01 - EP US); **A45D 2044/007** (2013.01 - EP); **A61B 5/411** (2013.01 - EP); **A61B 5/415** (2013.01 - EP); **A61B 5/442** (2013.01 - EP); **A61B 5/443** (2013.01 - EP); **A61B 5/444** (2013.01 - EP); **A61B 5/445** (2013.01 - EP); **G06T 2200/24** (2013.01 - EP); **G06T 2207/10152** (2013.01 - EP); **G06T 2207/30088** (2013.01 - EP)

Citation (search report)

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- [A] WO 2007031946 A2 20070322 - DVP TECHNOLOGIES LTD [IL], et al
- [A] GB 2396504 A 20040623 - CANON KK [JP]
- [A] IKEUCHI K ET AL: "Separating Reflection Components of Textured Surfaces Using a Single Image", IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE SERVICE CENTER, LOS ALAMITOS, CA, US, vol. 27, no. 2, 1 February 2005 (2005-02-01), pages 178 - 193, XP011124273, ISSN: 0162-8828, DOI: 10.1109/TPAMI.2005.36
- See references of WO 2009089292A1

Citation (examination)
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Designated extension state (EPC)
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