

Title (en)

METHOD FOR PROCESSING IMAGES IN THE PRESENCE OF STRUCTURED OR UNSTRUCTURED NOISE

Title (de)

VERFAHREN ZUR VERARBEITUNG VON BILDERN IN GEGENWART VON STRUKTURIERTEN SOWIE UNSTRUKTURIERTEN RAUSCH-GERÄUSCHEN

Title (fr)

PROCEDE DE TRAITEMENT D'IMAGES EN PRESENCE DE BRUIT STRUCTURE ET DE BRUIT NON-STRUCTURE

Publication

EP 1151414 A1 20011107 (FR)

Application

EP 00974589 A 20001027

Priority

- FR 0003007 W 20001027
- FR 9913501 A 19991028

Abstract (en)

[origin: WO0131582A1] The invention concerns a method for processing a two-dimensional or three-dimensional image representing an object whereof the contours are disturbed by structured or unstructured noise. The invention is characterised in that it consists in extracting from the image, the active contour of the object by the following steps: a) analysing the unstructured noise, that is the background noise; b) analysing the structured noise, that is detecting the multiple reflections and the signature of the object; c) identifying the edges of the objects from the image obtained in b); and d) identifying the surfaces of the object from the raw image (or initial image) and from the images obtained at steps b) and c).

IPC 1-7

G06T 5/00

IPC 8 full level

G01N 29/44 (2006.01); **A61B 8/00** (2006.01); **G06K 9/64** (2006.01); **G06T 1/00** (2006.01); **G06T 5/00** (2006.01); **G06T 7/60** (2006.01)

CPC (source: EP US)

G06T 5/30 (2013.01 - EP); **G06T 5/70** (2024.01 - EP US); **G06T 7/13** (2016.12 - EP); **G06T 7/136** (2016.12 - EP); **G06V 10/755** (2022.01 - EP US); **G06T 2207/10132** (2013.01 - EP)

Citation (search report)

See references of WO 0131582A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0131582 A1 20010503; EP 1151414 A1 20011107; FR 2800491 A1 20010504; FR 2800491 B1 20011123; JP 2003512874 A 20030408; RU 2001121202 A 20030627

DOCDB simple family (application)

FR 0003007 W 20001027; EP 00974589 A 20001027; FR 9913501 A 19991028; JP 2001534090 A 20001027; RU 2001121202 A 20001027