Title (en)
AUTOMATIC SEGMENTATION OF TISSUES BY DYNAMIC CHANGE CHARACTERIZATION

Title (de)
AUTOMATISCHE SEGMENTIERUNG VON GEWEBEN DURCH DYNAMISCHE ÄNDERUNGSCHARAKTERISIERUNG

Title (fr)
SEGMENTATION AUTOMATIQUE DE TISSUS PAR CARACTERISATION DE CHANGEMENT DYNAMIQUE

Publication
EP 1714250 A2 20061025 (EN)

Application
EP 05702601 A 20050106

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Abstract (en)
[origin: WO2005073915A2] A reconstruction processor (24) reconstructs diagnostic data from a diagnostic imaging device, such as a CT scanner (10), starting before a contrast agent reaches a region of interest (50), as the concentration of contrast agent in the region of interest builds (52), and at a contrast agent peak (56). The plurality of images generated while the contrast agent concentration is building are aligned (78). A change map is generated indicative of a rate-of-change (62) gradient or a time-to-peak (64) for corresponding pixels or voxels of the images generated during the time the contrast agent is building to the peak. A segmentation processor (70) uses the change map in segmenting the diagnostic images generated without contrast agent or at the contrast agent concentration peak.

IPC 8 full level
G06T 5/00 (2006.01); **G06T 7/00** (2006.01)

CPC (source: EP)
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Citation (search report)
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Cited by
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WO 2005073915 A2 20050811; **WO 2005073915 A3 20060511**; CN 1914642 A 20070214; EP 1714250 A2 20061025; JP 2007521867 A 20070809

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