

Title (en)
METHODS FOR ENHANCING VASCULAR PATTERNS IN CERVICAL IMAGERY

Title (de)
VERFAHREN ZUM HERVORHEBEN VON VASKULÄREN MUSTERN BEI DER ZERVIKALEN BILDGEBUNG

Title (fr)
PROCÉDÉS PERMETTANT D'AMÉLIORER DES MOTIFS VASCULAIRES DANS LE DOMAINE DE L'IMAGERIE CERVICALE

Publication
EP 2313848 A1 20110427 (EN)

Application
EP 08795361 A 20080815

Priority
US 2008009777 W 20080815

Abstract (en)
[origin: WO2010019121A1] A method of contrast enhancement for improved visualization of diagnostically important tissue structures, such as blood vessels. A texture analysis algorithm is applied to identify regions with a high likelihood of disease. Mathematical morphology operations are applied to identify areas of high and low brightness (intensity). The low intensity areas are then subtracted, and controllably variable amounts of the high intensity areas are added, controlled by a selectable tuning parameter, to produce an image with controllably variable visualization enhancement.

IPC 8 full level
G06T 5/00 (2006.01)

CPC (source: EP)
G06T 5/30 (2013.01); **G06T 5/94** (2024.01); **G06T 2207/20036** (2013.01); **G06T 2207/20092** (2013.01); **G06T 2207/20221** (2013.01); **G06T 2207/20224** (2013.01); **G06T 2207/30101** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2010019121 A1 20100218; CN 102124471 A 20110713; EP 2313848 A1 20110427; EP 2313848 A4 20120829; JP 2012500040 A 20120105

DOCDB simple family (application)
US 2008009777 W 20080815; CN 200880130729 A 20080815; EP 08795361 A 20080815; JP 2011522944 A 20080815