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(54) Title of the invention : AUTOMATIC PULMONARY ARTERY-VEIN SEPARATION IN CT IMAGES USING IMAGE SEGMENTATION AND IMAGE-REGISTRATION TECHNIQUES

(51) International classification :G06T1/00, G06T7/00, G06T7/10	(71)Name of Applicant : 1)MJP ROHILKHAND UNIVERSITY (MJPRU) Address of Applicant :MJP ROHILKHAND UNIVERSITY (MJPRU), BAREILLY, INDIA. Bareilly ----------- ----------- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Prof. Vinay Rishiwal Address of Applicant :Professor, Dept. of CSIT, MJPRU, Bareilly, India Bareilly ----------- ----------- 2)Prof. S. S. Bedi Address of Applicant :Professor, Dept. of CSIT, MJPRU, Bareilly, India Bareilly ----------- ----------- 3)Dr. Brajesh Kumar Address of Applicant :Associate Professor, Dept. of CSIT, MJPRU, Bareilly, India Bareilly ----------- ----------- 4)Prof. Anil Singh Address of Applicant :Professor, Dept. of Electronic and Instrumentation, MJPRU, Bareilly, India Bareilly ----------- -------------
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(57) Abstract :
Automatic Pulmonary artery-vein separation in CT images using image segmentation and image-registration techniques is the proposed invention. The proposed invention focuses on studying the comparison between the image segmentation and image-registration techniques in automatic pulmonary artery-vein separation. The invention focuses on analyzing the parameters of Automatic Pulmonary artery-vein separation in CT images.

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