(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2018

(21) Application No.201841036623 A

(43) Publication Date : 05/10/2018

(54) Title of the invention : METHOD OF EDGE PRESERVATION IN IMAGES

(51) International classification :G06T5/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
  Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
  Filing Date :NA
(62) Divisional to Application Number :NA
  Filing Date :NA
	(71)**Name of Applicant :**
	  1)Dr. SURESH MERUGU
	    Address of Applicant :Flat No.103, Veerabhadra Towers, Opp. Old Kalyani Theatre, Old Bowenpally, Secunderabad, Telangana-500011, Telangana, India. Telangana India
	  2)Dr. KAMAL JAIN
	  3)ANUJ TIWARI
	  4)Dr. V. A. NARAYANA
	  5)CH. GOPAL REDDY
	  6)Dr. M. SUDHAKAR
	  7)G. ANIL
	(72)**Name of Inventor :**
	  1)Dr. SURESH MERUGU
	  2)Dr. KAMAL JAIN
	  3)ANUJ TIWARI
	  4)Dr. V. A. NARAYANA
	  5)CH. GOPAL REDDY
	  6)Dr. M. SUDHAKAR
	  7)G. ANIL

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a method of edge preservation in images comprising of: viewing an image pixel in a visible color space, and the image pixel is subjected conversion provision from color to gray and gray to color to return subsequently; and an application of conventional edge detection techniques where the results obtained are compared with the edge preservation method; confirmation of edge detection to saturate where the saturated pixels undergo desaturation step of the coordinate system and choosing appropriate value n; and adapting an edge preservation approach by direct search to return the preserved image.

No. of Pages : 24 No. of Claims : 9