(12) PATENT APPLICATION PUBLICATION   (21) Application No.202311065326 A

(19) INDIA

(22) Date of filing of Application :28/09/2023   (43) Publication Date : 20/10/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR LOCALIZED EDITING REALISTIC SYNTHETIC IMAGES

(51) International classification :G06N0003080000, G08G0005000000, G06T0011600000, G16H0010600000, G06F0016930000
 	
(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)**Chitkara University**
	    Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
	  2)**Bluest Mettle Solutions Private Limited**
	Name of Applicant : NA
	Address of Applicant : NA
	(72)**Name of Inventor :**
	  1)**MISHRA, Rahul**
	Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
	  2)**PANDEY, Sakshi**
	Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
	  3)**MANTRI, Archana**
	Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------

(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for localized editing of realistic synthetic images generated by using deep learning techniques. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to generate a synthetic image that resembles a real-world image. Next, the processor (202) is configured to identify specific localized areas of the synthetic image. Thereafter, the processor (202) is configured to apply edits to the specific localized areas of the synthetic image. In the end, the processor (202) is configured to generate the edited synthetic image.

No. of Pages : 24 No. of Claims : 10