

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311048189 A

(19) INDIA

(22) Date of filing of Application :18/07/2023

(43) Publication Date : 11/08/2023

(54) Title of the invention : SYSTEM AND METHOD FOR ENHANCING LOW LIGHT IMAGE QUALITY

(51) International classification :G02B 250000, G03B 212000, G06T 055000, H04N 052350, H04W 800000

(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 Rajpura -----

2)Chitkara Innovation Incubator Foundation

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Preeti Sharma

Address of Applicant :Electronics and Communication Engineering (ECE-CUIET), Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

2)Dr. Rajeev Kamal Sharma

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

3)Mr. Vansh Bhargava

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

4)Mr. VarinderPal Singh

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

(57) Abstract :

ABSTRACT SYSTEM AND METHOD FOR ENHANCING LOW LIGHT IMAGE QUALITY The present disclosure discloses a system (102) for enhancing low light image quality, comprising, a collection module (104) configured to obtain a coloured image and a processing module (106) configured to divide coloured images into a R-red component, a G-green component, and a B-blue component and process the coloured images based on contrast operation. FIG. 1

No. of Pages : 20 No. of Claims : 10