

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311062548 A

(19) INDIA

(22) Date of filing of Application :18/09/2023

(43) Publication Date : 13/10/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR DYNAMIC PARAMETER ADJUSTMENT FOR OBJECT DETECTION IN SEQUENTIAL VIDEO FRAMES

<p>(51) International classification :H04N0007180000, G06K0009620000, A61B0005000000, H04N0005232000, G06T0005200000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(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 -----</p> <p>2)PANDEY, Sakshi Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)MANTRI, Archana Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
---	--

(57) Abstract :

Embodiments of the present disclosure relates to a system (100) and method (300) for dynamic parameter adjustment to enable object detection algorithm in real-time. The system comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to capture video frames. Further, the processor (202) is configured to analyse the captured video frames. Next, the processor (202) is configured to analyse the captured video frames. In the end, the processor (202) is configured to optimize parameters of the detected objects in the video frames.

No. of Pages : 27 No. of Claims : 10