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(54) Title of the invention : SYSTEM AND METHOD FOR DETECTION OF AN ACT OF VIOLENCE AND NOTIFICATIONS THEREOF

<p>(51) International classification :B60R 212640, G01N 335430, H04N 071600, H04N 214750, H04N 214880</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, Saket Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>2)SINGH, Dhiraj 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>
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(57) Abstract :

A violence detection system (100) to detect an act of violence is provided. The system includes a processor (104) configured to acquire a surveillance video from one or more video acquisition unit (102-1, 102-2, ..., 102-N), detect, using a machine learning model, presence of the act of violence in the acquired surveillance video, and generate, if the act of violence detected in the acquired surveillance video, at least one notification to alert one or more remote electronic devices.

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