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(54) Title of the invention : SYSTEM AND METHOD FOR INTEGRATING GUNSHOT DETECTION TECHNOLOGY WITH PARKING SERVICES FOR ENHANCED SAFETY AND SECURITY

<p>(51) International classification :H04W0004020000, G06Q0040000000, G08G0001140000, G01S0005220000, G08G0001010000</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>
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(57) Abstract :

The subject matter presents a system (100) designed to enhance safety and security within both public and private parking areas. This system comprises a network of gunshot sensors (102) specifically engineered to detect the acoustic signature of gunfire, alongside a network of parking lot sensors (104) strategically positioned to identify the presence of vehicles within the same designated areas. Connecting these sensors (102, 104) is a centralized server (106) interconnected through a wireless network, meticulously configured to receive, meticulously analyze, and meticulously process data originating from both the gunshot and parking lot sensors (102, 104). Additionally, this comprehensive system (100) incorporates a user interface (108) facilitating real-time data presentation and granting configuration options to optimize the functionality of the system (100) for effective security management.

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