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(51) International classification	:G07C 9/00, G06K 9/00, H04N 7/18, G06F 21/32, G06V 40/16	(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Rajpura Punjab India
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(57) Abstract :

A biometric-secured mobile desk companion and surveillance system, comprising a mobile desk-mounted body 101, a plurality of motorized wheels 102 to enable constrained movement over an elevated surface, an imaging module 103 to capture facial images of a user, a microphone 104 for generating a voiceprint embedding of the user, a biometric authentication module to correlate the generated face embeddings and voiceprint embeddings with stored encrypted templates to establish owner identity and authorization levels, a security module to physically lock the motorized wheels 102, disable the imaging module 103/audio input module, and actuate mechanical imaging module 103 shutters, upon detection of a network mismatch, and a sleep management module to deactivate continuous sensor data acquisition after a predefined duration of user absence while maintaining activation of at least an ultrasonic sensor 105 and microphone 104 for wake-on-motion or wake-on-sound detection.

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