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(54) Title of the invention : CONSTRUCTION SITE MANAGEMENT SYSTEM USING INTEGRATED TAGS AT ULTRA HIGH FREQUENCY RADIO FREQUENCY IDENTIFICATION BAND

(51) International classification	:G06Q0010060000, G06Q0050080000, G06Q0030000000, H01Q0001220000, G06K0007100000	(71) Name of Applicant : 1)CHITKARA INNOVATION INCUBATOR FOUNDATION Address of Applicant :SCO: 160-161, SECTOR – 9C, MADHYA MARG, CHANDIGARH – 160009, INDIA (IN) Chandigarh Chandigarh India
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(57) Abstract :

A construction site management system (100) is disclosed. The system (100) comprises integrated tags (104), readers (120a-120m), and a processing unit (122). The integrated tags (104) are adapted to be installed on trackable matters (102) and are configured to tune at Ultra High Frequency Radio Frequency Identification (UHF RFID) band. Each of the integrated tags (104) is adapted to read the integrated tags (104). The system (100) is configured to read integrated tags (104), fetch a unique Electronic Product Code (EPC) from each of the read integrated tags (104), detect a geographical location or a working zone based on the received information related to each of the read integrated tags (104). The detected geographical location or the working zone is further transmitted to the maintained record, for viewing on a computer device (126). This system (100) provides an efficient and accurate way of tracking and managing the construction site, enabling better control and optimization of resources. Claims: 10, Figures: 12 Figure 1A is selected.

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