

ABSTRACT

ASSET MONITORING SYSTEM

5 An asset monitoring system for real-time monitoring of assets in a warehouse, the system comprising: at least one camera provided in the warehouse to obtain images of assets in the warehouse; an image processing software module provided in connection with the at least one camera and configured to automatically assign a unique identification to every asset imaged for a first time by the at least one camera and subsequently continuously detect, recognize and track assets assigned with unique identification in the warehouse from the images obtained by the at least one camera; a location determination software module configured to generate, from the images obtained of the assets, spatial coordinates of the assets corresponding to physical locations of the assets in the warehouse; and a digital inventory stored in a database, the digital inventory comprising the generated spatial coordinates and status information of the assets, the digital inventory configured to be accessible via at least one computing device to allow viewing and updating of the status information of the assets.

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FIG. 2