

## **Method for production lot traceability**

Disclosed is a method for production lot traceability. Benefits include improved functionality, improved throughput time, and improved productivity.

### **Background**

Conventionally, when locating a physical lot in a staging area (SA) of a production floor, a person must search through hundreds of trolleys to find the required lot number. The process is an unproductive use of manpower. Additionally, the process extends the lot processing throughput time due to the extended production time locating misplaced production lots (see Figure 1).

### **Description**

The disclosed method is production (finished production order) lot traceability. The method places a radio frequency identifier (RFID) tag inside every production ticket generated. An RFID reader obtains the lot number from the RFID tag and wirelessly transmits its location to a desktop software application (see Figure 2).

The disclosed method includes a software application that displays the location of the physical finished production order (FPO) lots on the desktop monitor (see Figure 3).

The software accepts user input for the lot number to be searched (see Figure 4).

The software indicates the location of the lot on the map of the production floor (see Figure 5).

Every physical lot on the production floor is traceable when placed in a staging area. As a result, the traceability feature improves the cycle count period, where all lots are inventoried. The cycle count can be performed much quicker because individuals know where to find the lots.

### **Advantages**

The disclosed method provides advantages, including:

- Improved functionality due to providing production lot traceability
- Improved throughput time due to extending production time locating misplaced production lots
- Improved productivity due to enabling the quick location of production lots

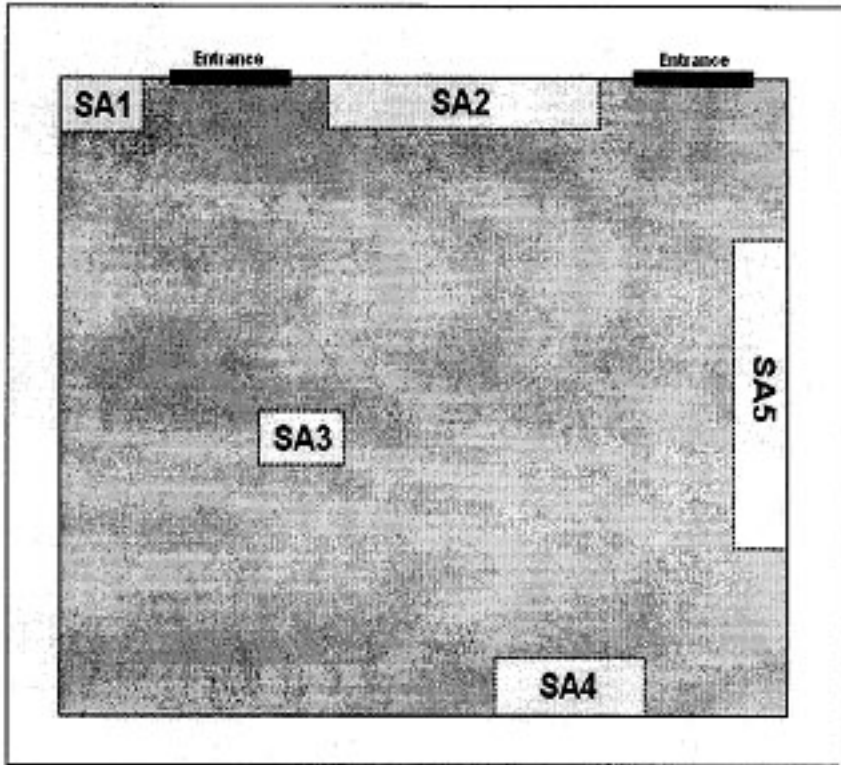


Fig. 1

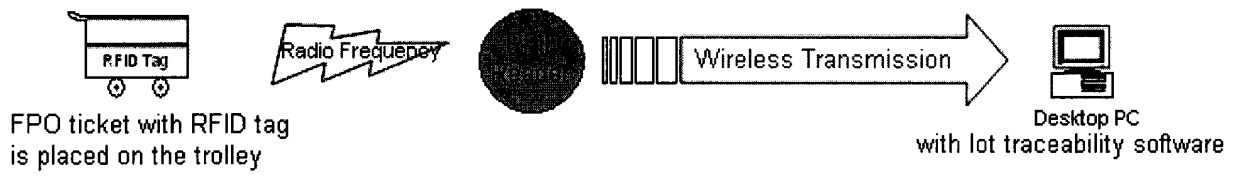


Fig. 2

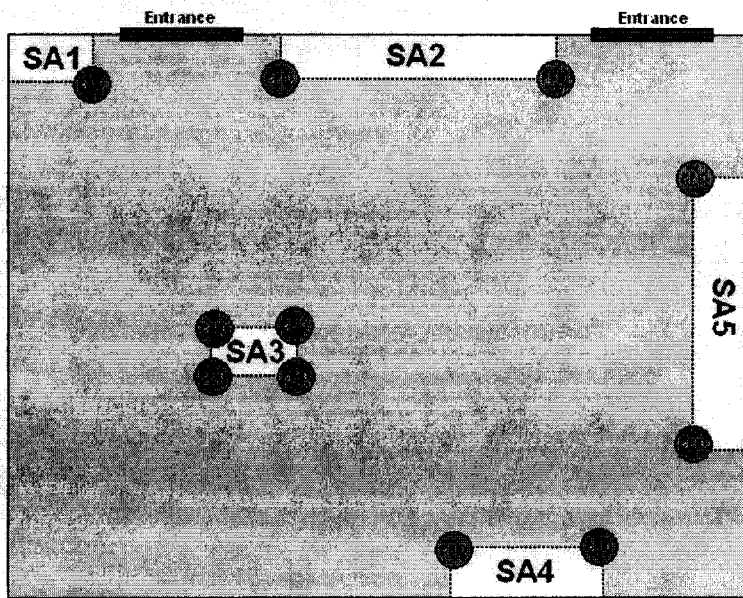


Fig. 3

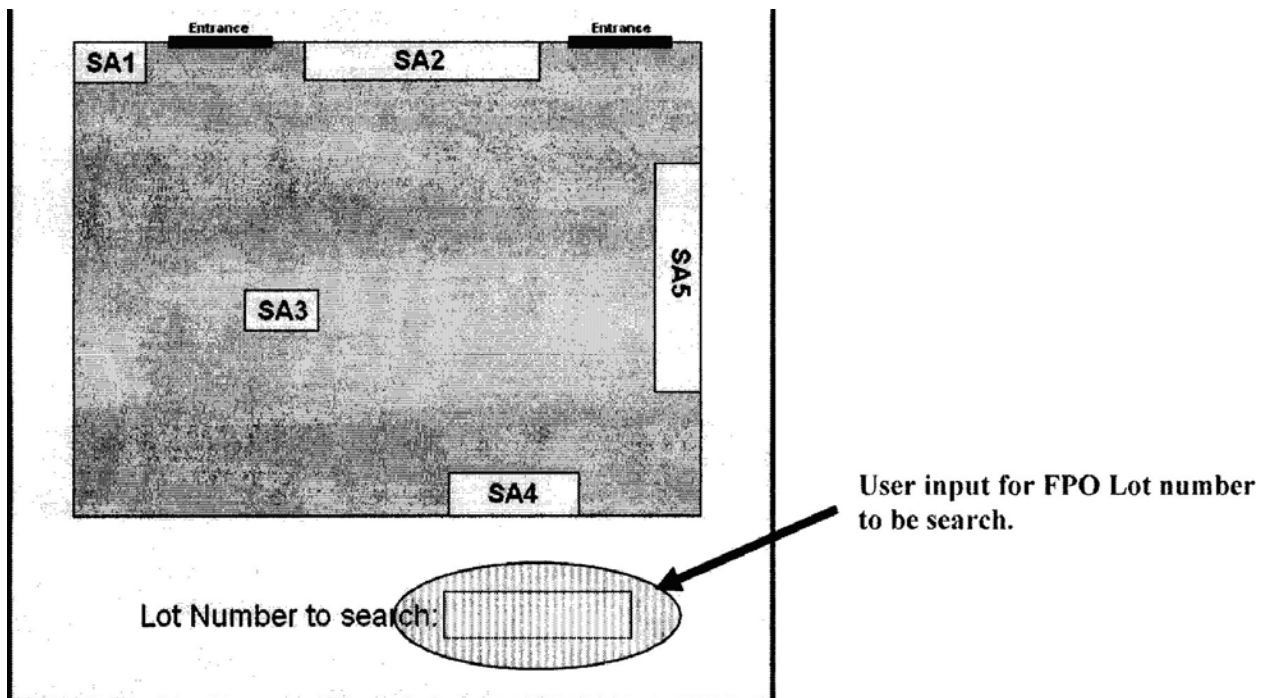


Fig. 4

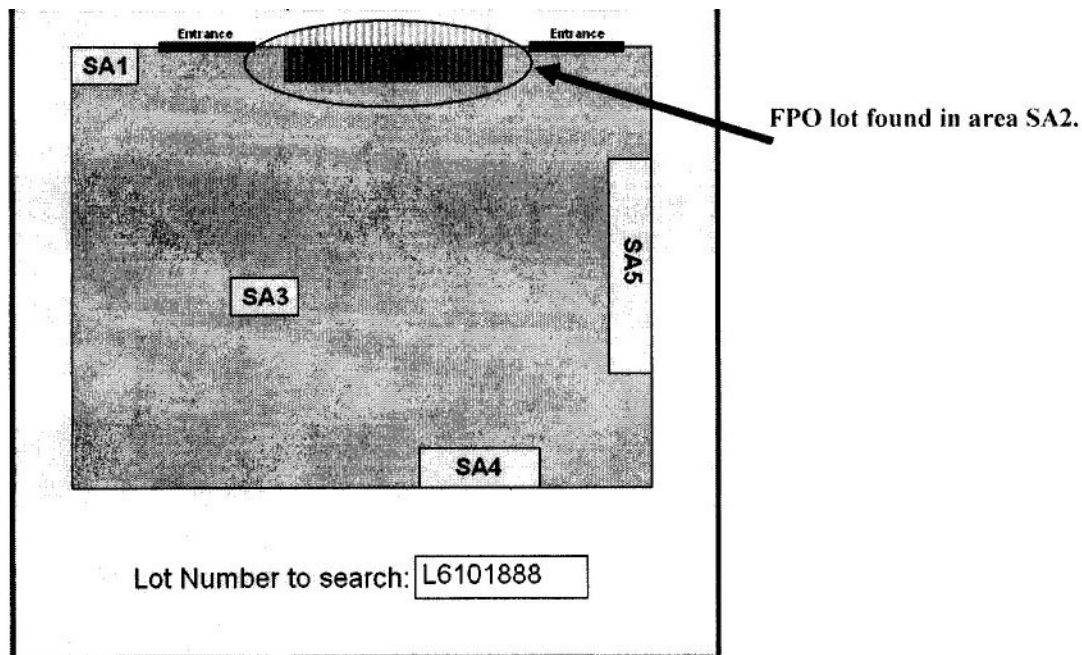


Fig. 5

**Disclosed anonymously**

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**Notes from the Tech Writer**

- An anonymous disclosure cannot contain the name Windows or any image of a feature that could indicate a Windows environment.
- The disclosure cannot contain Intel-specific names or information, such as organizational designations.
- I suggest the graphics be replaced with original drawings. I scanned the images from a poor quality copy. The screen captures cannot be used without alteration because of the Windows elements.