United States Patent [19]

Blum

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[54] **CODE READING OPERATIONS SUPERVISOR**

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[52] **U.S. Cl.** **235/375;** 235/472

[58] **Field of Search** ..... 235/375, 472, 432, 454, 235/491, 493, 419, 433; 340/149 A, 146.3 SY, 152 R; 360/4; 364/413, 705

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,422,441	1/1969	Chapsky	360/4
3,848,112	11/1974	Weichselbaum	364/413
3,920,979	11/1975	Kilby	364/705
3,932,730	1/1976	Ambrosio	235/432
3,991,299	11/1976	Chadima	235/472
4,053,735	10/1977	Foudos	235/419
4,158,194	6/1979	McWaters	340/146.3 SY
4,251,798	2/1981	Swartz	340/146.3 SY

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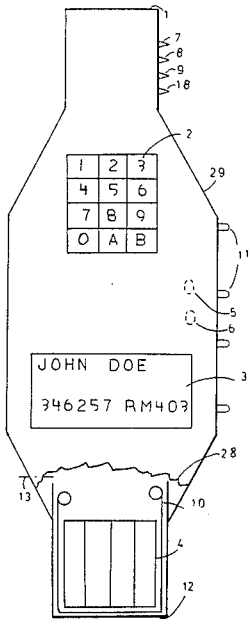
[57] **ABSTRACT**

Hand held electronic apparatus for supervising and controlling operations requiring a worker to travel to multiple sites, correctly identify subjects or objects, and treat each one according to special instructions on the basis of that identification. The apparatus disclosed provides machine reading means to ensure positive identification, audible and visible displays, internal data storage and processing and means for communication with a central computer system. Applications are described for control of a parcel delivery service and supervision of a hospital medication program and a patient blood sample identification system for a hospital laboratory service.

11 Claims, 4 Drawing Figures