US005396264A

United States Patent [19]

Falcone et al.

[11] Patent Number: 5,396,264

[45] Date of Patent: Mar. 7, 1995

[54] AUTOMATIC MENU ITEM SEQUENCING METHOD

[75] Inventors: **Frank Falcone**, Loxahatchee; **Eugene Lopatukhin**, West Palm Beach; **Greg Coonley**, Lake Worth, all of Fla.

[73] Assignee: **Motorola, Inc.**, Schaumburg, Ill.

[21] Appl. No.: **176,755**

[22] Filed: **Jan. 3, 1994**

[51] **Int. Cl.**[6] **G09G 1/06**

[52] **U.S. Cl.** **345/146**; 345/115; 340/825.44; 340/825.5

[58] **Field of Search** 345/115, 119, 120, 146, 345/; 340/825.44, 825.47, 825.48, 825.5; 379/354, 355

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,754,423 6/1988 Rollins .
4,788,543 11/1988 Rubin 340/825.44
4,885,580 12/1989 Noto 379/355
4,949,085 8/1990 Fisch et al. 340/825.44
5,075,684 12/1991 DeLuca 340/825.44
5,105,189 4/1992 Murai et al. 340/825.44
5,182,553 1/1993 Kung 340/825.44
5,267,308 11/1993 Jokinen et al. 379/355

Primary Examiner—Ulysses Weldon
Assistant Examiner—Matthew Luu
Attorney, Agent, or Firm—D. Andrew Floam

[57] **ABSTRACT**

A portable information display device such as a pager (**20**) has a plurality of operating modes and a corresponding plurality of menu items (**40, 140**). A symbol (**40, 142**) corresponding each menu item is displayed on a display (**22**) in a sequence determined by a priority (**46**) of the menu item. The priority (**46**) of each menu item (**40, 140**) is determined in response to either a frequency of selection of the corresponding operating mode (**44**), or a default value assigned to the menu item (**42, 142**) or both.

10 Claims, 5 Drawing Sheets

46 PRIORITY	44 FREQUENCY	42 DEFAULT	40 MODE / MENU ITEM / SYMBOL
1	220	1	READ MESSAGES
2	124	8	PROTECT MESSAGES
3	81	4	SET ALERT VOLUME
4	82	7	ERASE MESSAGES
5	60	9	POWER OFF
6	45	3	SET ALARM
7	40	12	SET ALERT MELODY
8	33	2	AUTO/MANUAL POWER
9	25	5	SET AUTO POWER TIME
10	20	6	SET TIME OF DAY
11	16	10	SET READ MODE
12	10	11	CHRONOGRAPH
13	5	13	SET DEFAULT