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# United States Patent [19]

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Deluca et al.

[45] Date of Patent: **Jul. 21, 1998**

[54] **METHOD AND APPARATUS FOR PRESENTING GRAPHIC MESSAGES IN A DATA COMMUNICATION RECEIVER**

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

[21] Appl. No.: **898,640**

[22] Filed: **Jul. 21, 1997**

### Related U.S. Application Data

[63] Continuation of Ser. No. 560,604, Nov. 20, 1995, abandoned.

[51] Int. Cl.<sup>6</sup> ..... **G08B 5/22**

[52] U.S. Cl. .... **340/825.44; 345/133**

[58] Field of Search ..... **340/825.44; 345/133, 345/122**

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Primary Examiner—Brian Zimmerman

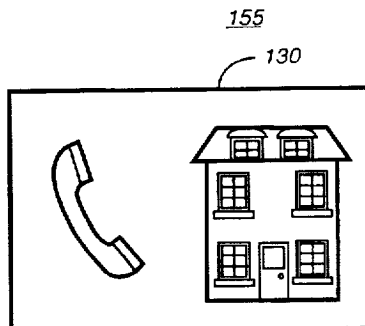
Assistant Examiner—Edward Merz

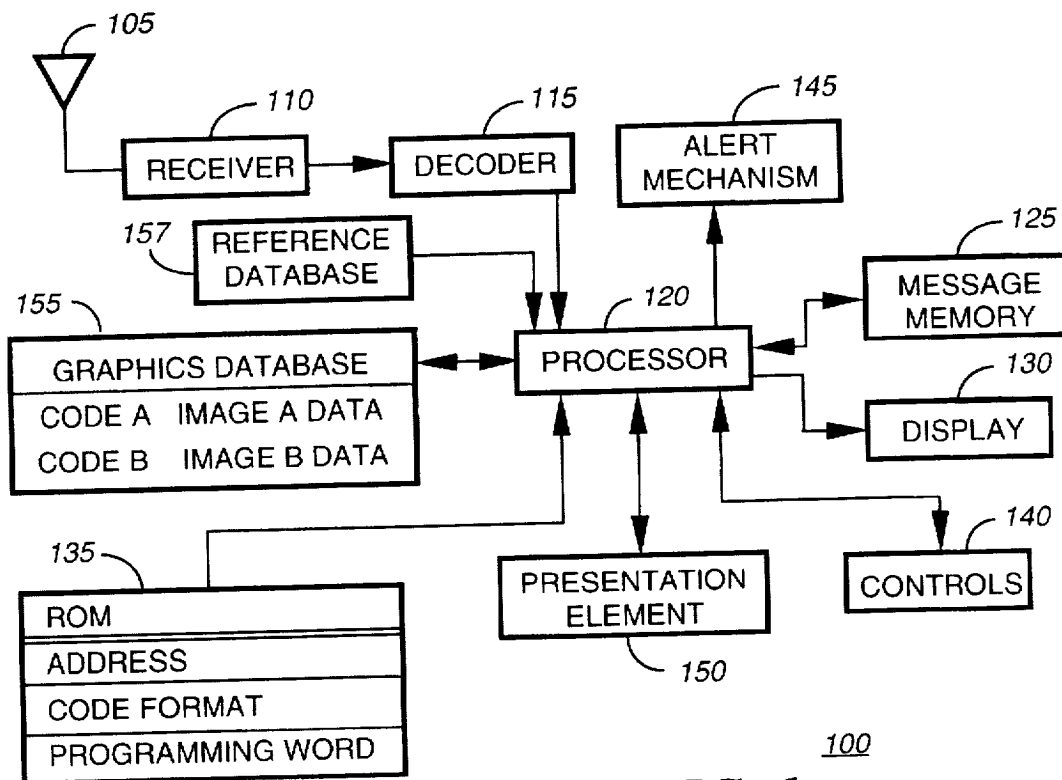
### [57] ABSTRACT

A data communication receiver (100) includes a receiver (110) for receiving a message including at least one code, a database (155) for storing codes and image data associated with the codes, and a presentation element (150) for locating the at least one code in the database (155). The presentation element (150) then retrieves the image data associated with the at least one code. The image data associated with the at least one code is representative of at least one image. The data communication receiver (100) also includes a display (130) coupled to the presentation element (150) for presenting the at least one image as a graphic message.

**6 Claims, 8 Drawing Sheets**

CODE	IMAGE
#01	TELEPHONE
#02	HOUSE
#03	OFFICE
#04	FAMILY
#05	TRAIN
#06	PERSON RUNNING
#07	COFFEE MUG
#08	CLOCK FOLLOWED BY TIME
#09	FOOD PLATTER





**FIG. 1** <sup>100</sup>

CODE	IMAGE
#01	TELEPHONE
#02	HOUSE
#03	OFFICE
#04	FAMILY
#05	TRAIN
#06	PERSON RUNNING
#07	COFFEE MUG
#08	CLOCK FOLLOWED BY TIME
#09	FOOD PLATTER

**FIG. 2** <sup>155</sup>

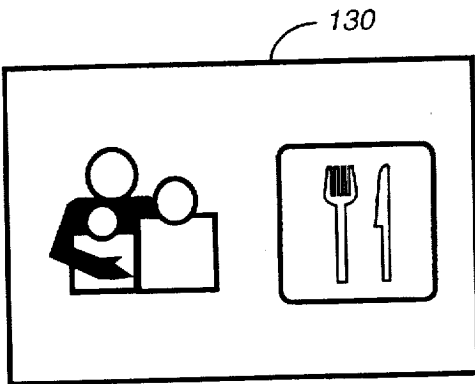


FIG. 3

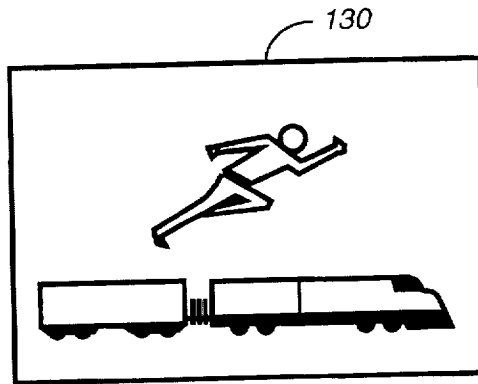


FIG. 6

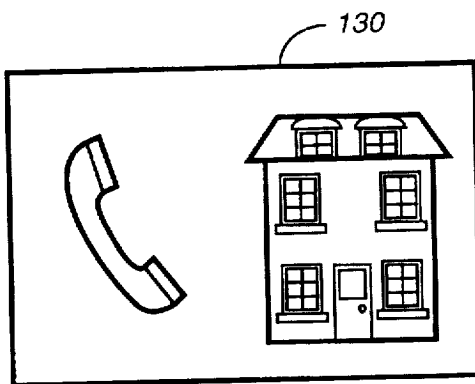


FIG. 4

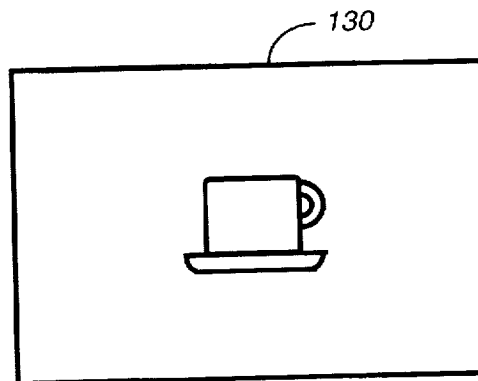


FIG. 7

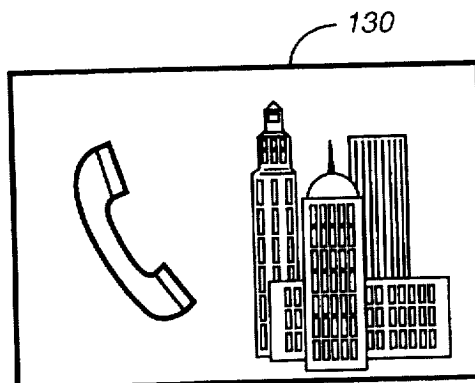


FIG. 5

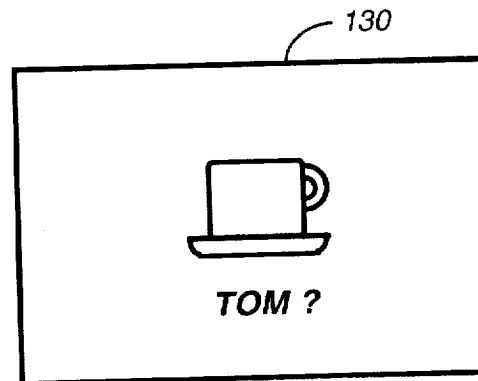
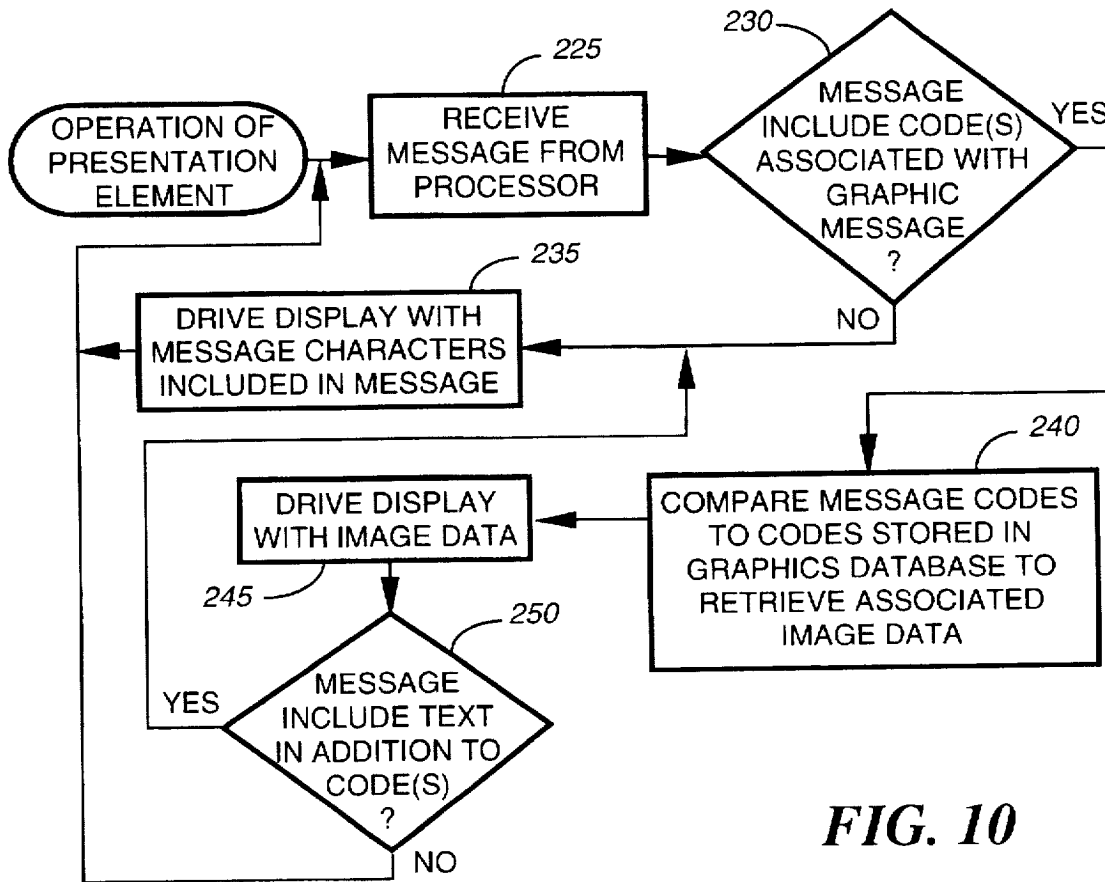
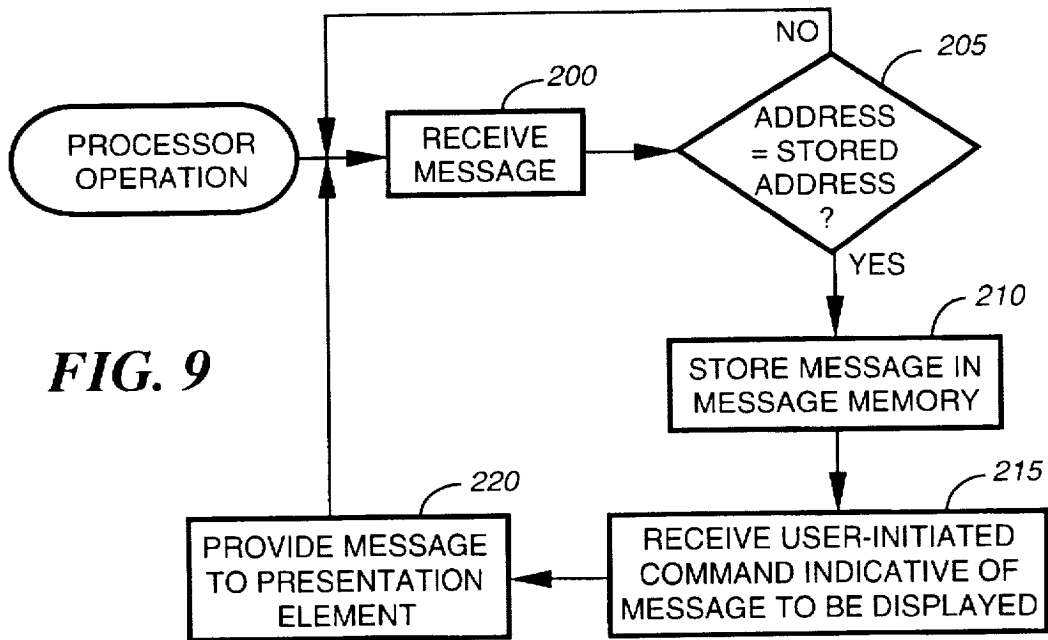
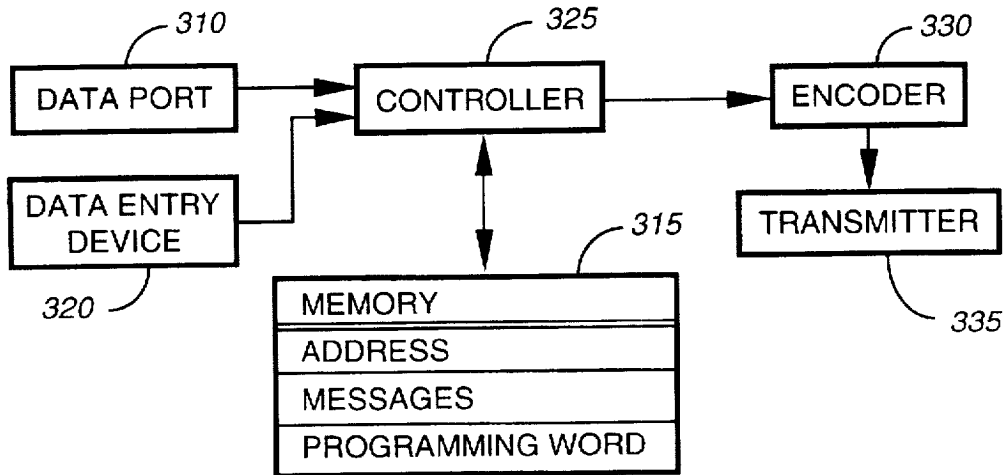
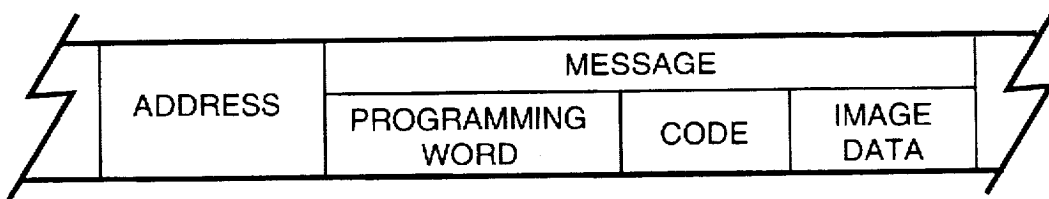


FIG. 8





<sup>305</sup>  
**FIG. 11**



**FIG. 12**

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