



[54] INTUITIVE GESTURE-BASED GRAPHICAL USER INTERFACE

Primary Examiner—Matthew M. Kim

Assistant Examiner—Huynh Ba

[75] Inventor: Suthirug Num Pisutha-Arnond, Wheeling, Ill.

Attorney, Agent, or Firm—Sylvia Chen; Rolland R. Hackbart

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

[57] ABSTRACT

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[51] Int. Cl.⁶ G06F 15/00

[52] U.S. Cl. 345/358; 345/358; 345/352; 345/353; 345/354

[58] Field of Search 345/326, 327, 345/328, 335, 337, 338, 339, 340, 347, 348, 349, 352, 353, 358, 354

[56] References Cited

U.S. PATENT DOCUMENTS

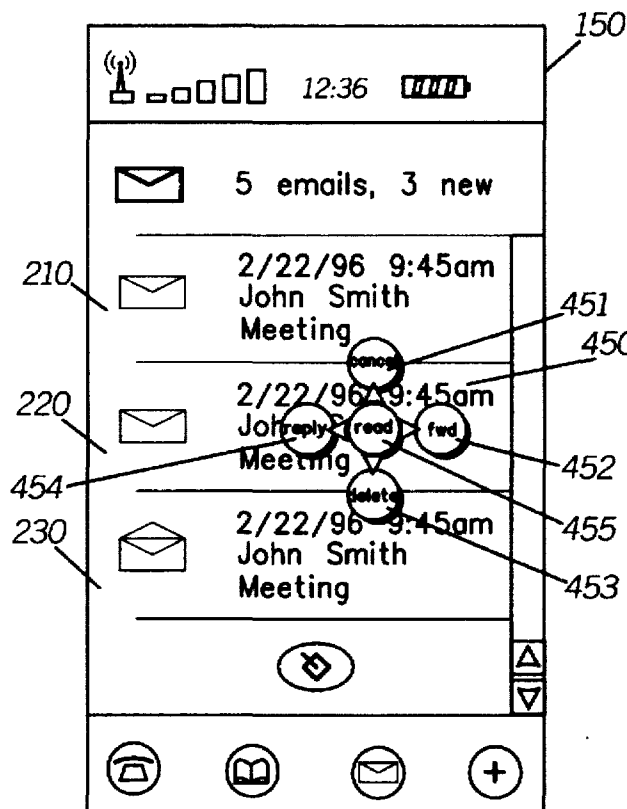
4,803,474	2/1989	Kulp	340/709
5,384,910	1/1995	Torres	345/352
5,386,568	1/1995	Wold et al.	395/700

OTHER PUBLICATIONS

Evan Graham, DSI Datotech Systems, Inc., "White Paper Dato Patented Pointing Gesture System", Aug. 1996, pp. 1-20.

A user performs a manual selection or a gesture selection of a screen object (210, 220, 230) on a screen (150) of an electronic device (100) using a pointing device (190). After a manual selection, such as a single tap, the electronic device (100) automatically presents a temporary directional palette (450) having palette buttons (451, 452, 453, 454, 455) that explicitly state functions of the electronic device (100). Each palette button has a unique compass direction relative to the original tap area. By making a second tap on a desired palette button, a novice user learns available functions of the electronic device (100) and their corresponding directional gestures. Alternately, the user may perform a gesture selection of both a screen object and a function, such as making a double tap or drawing a line in the appropriate direction, before the directional palette appears on the screen (150).

16 Claims, 5 Drawing Sheets



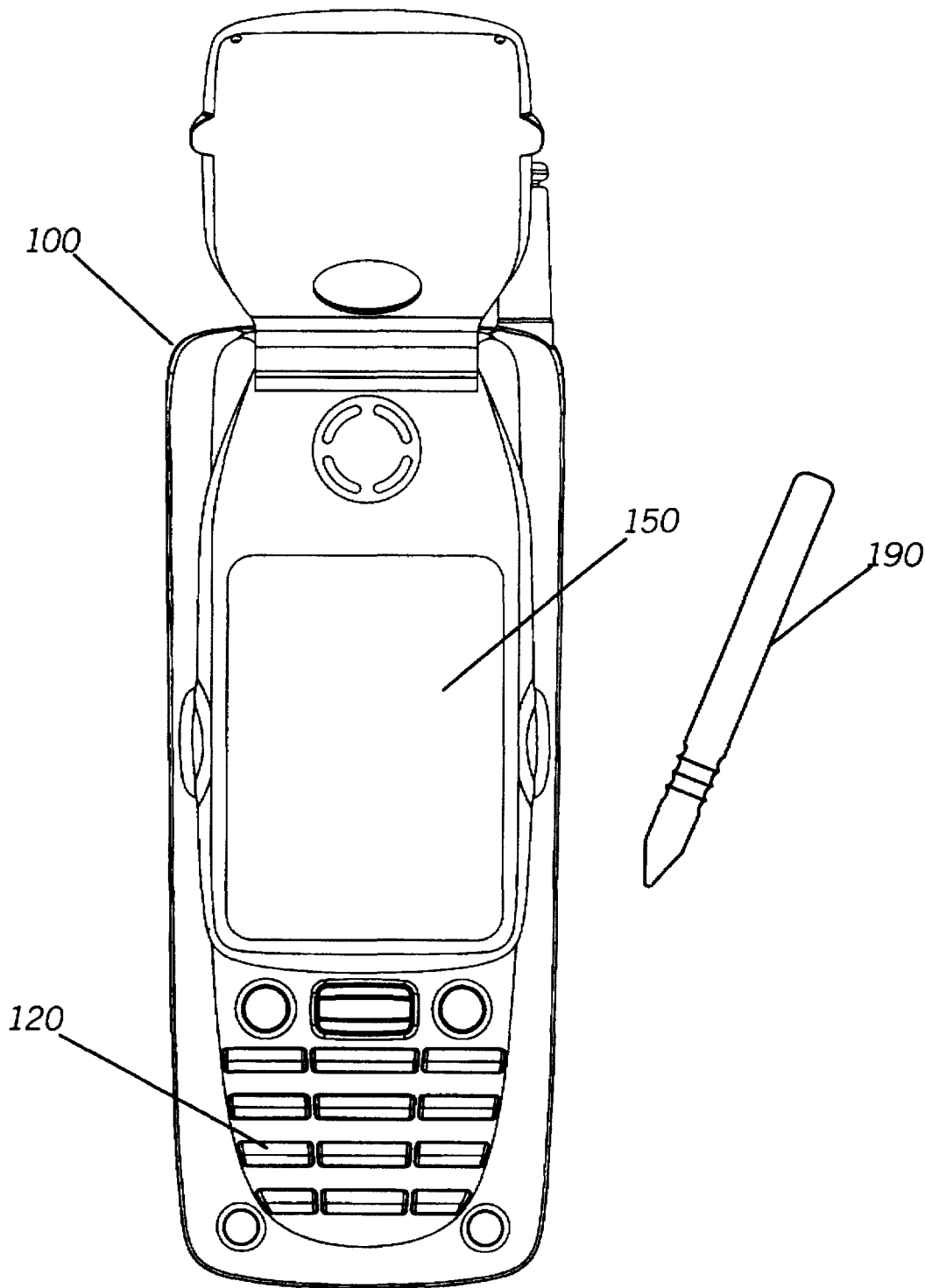


FIG. 1

FIG.2

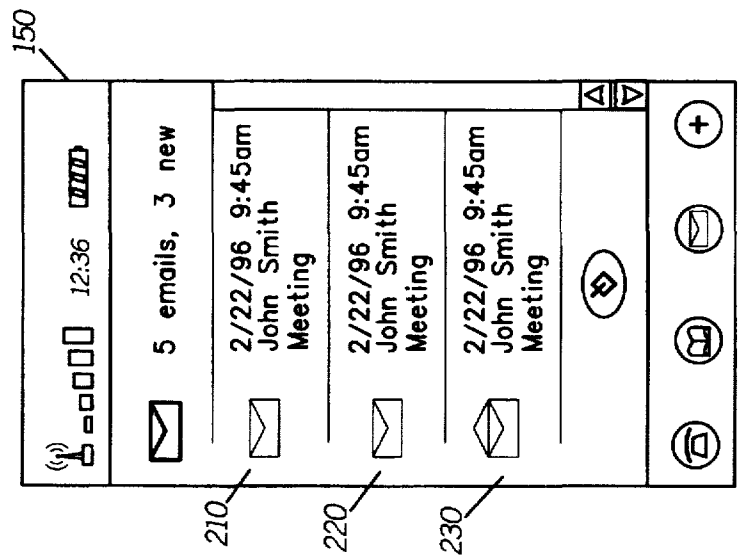


FIG.3

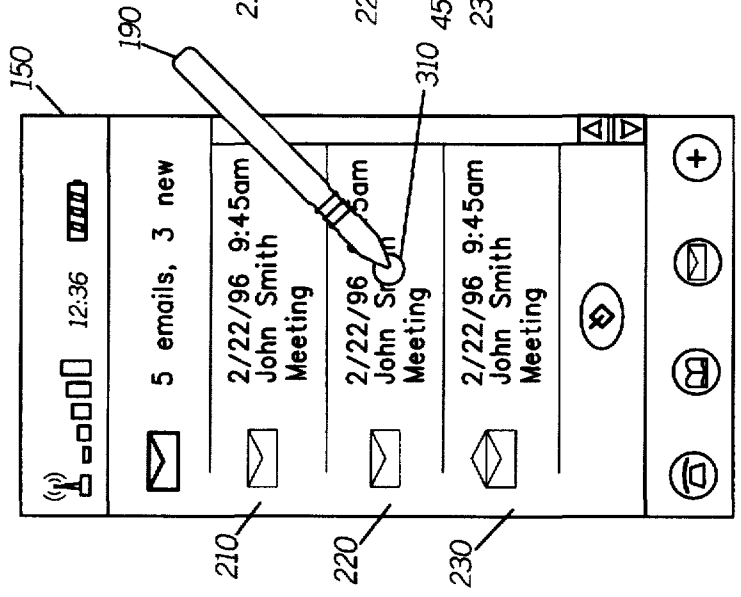


FIG.4

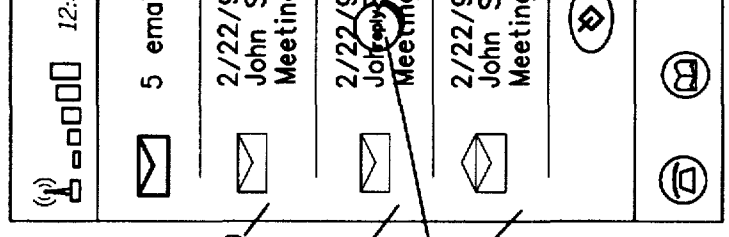


FIG. 5

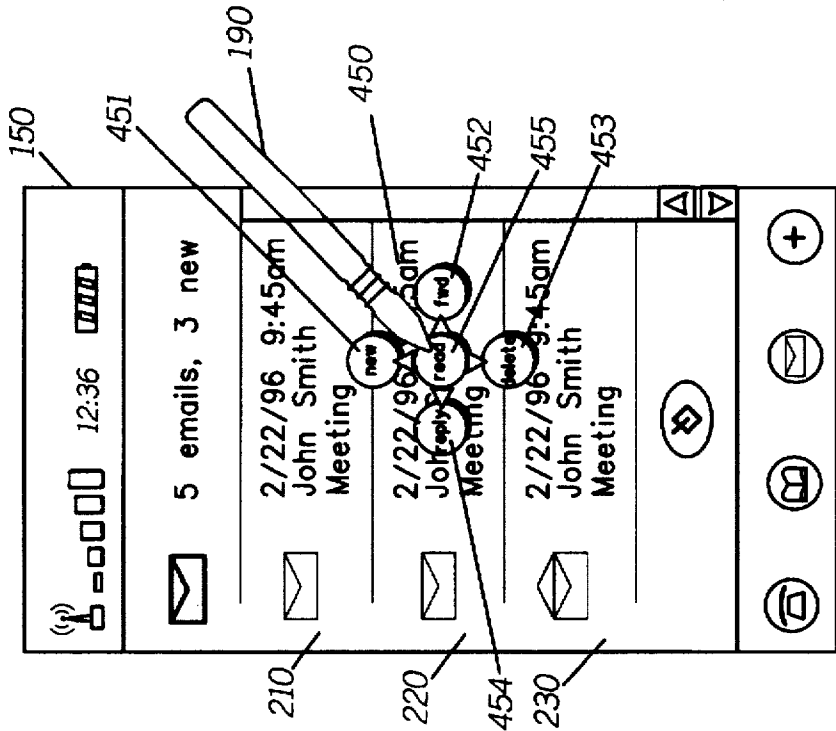


FIG. 6

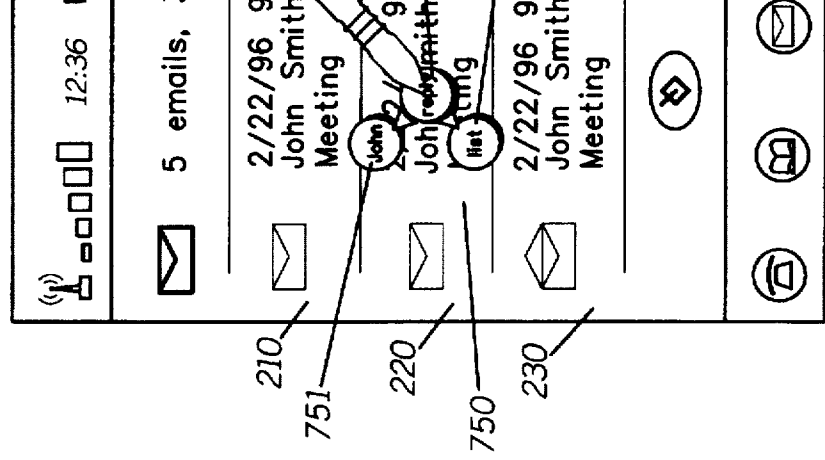


FIG. 6

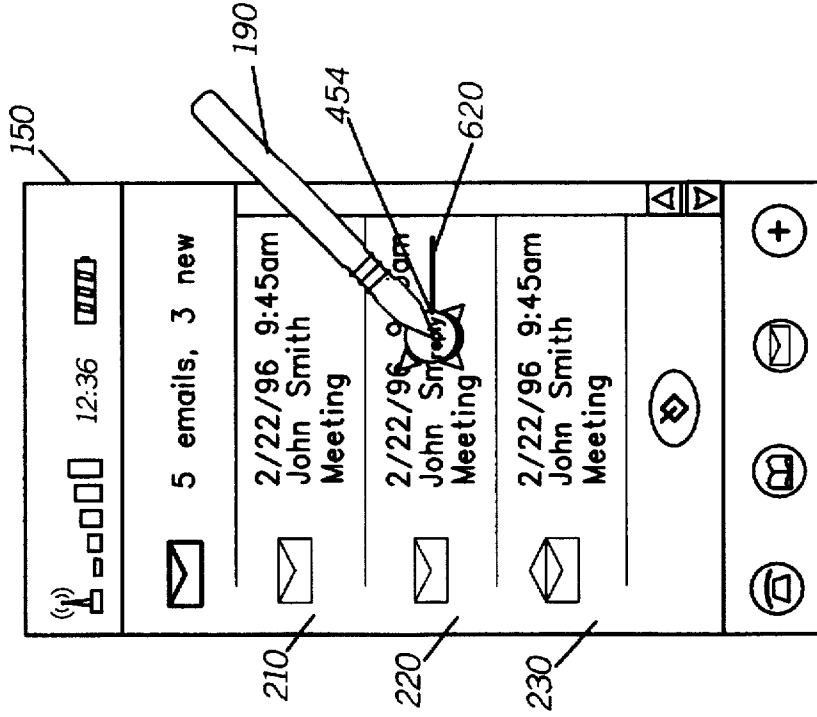
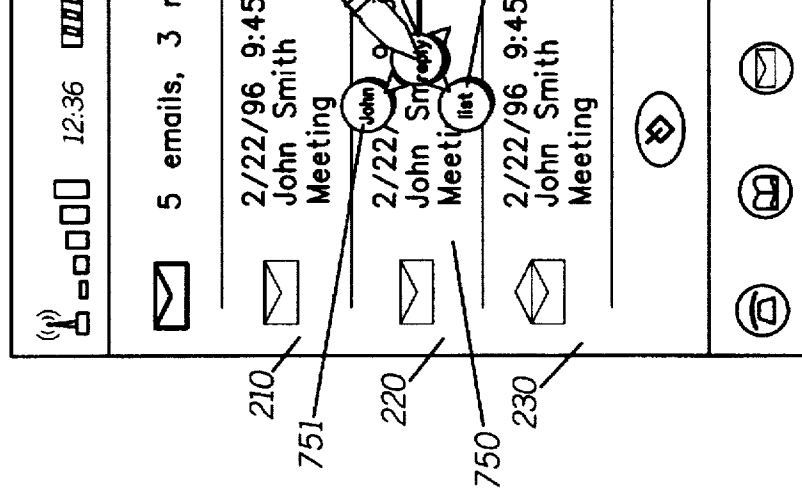


FIG. 8



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