



US00D417454S

United States Patent [19]

[11] Patent Number: Des. 417,454

Vuolteenaho

[45] Date of Patent: ** Dec. 7, 1999

[54] **PUSHBUTTON KEY ARRAY FOR A PORTABLE ELECTRONIC APPARATUS**

[75] Inventor: **Hanna Vuolteenaho**, Oulu, Finland

[73] Assignee: **Nokia Mobile Phones Limited**, Espoo, Finland

[**] Term: **14 Years**

[21] Appl. No.: **29/081,753**

[22] Filed: **Jan. 9, 1998**

[30] **Foreign Application Priority Data**

Jul. 18, 1997 [GB] United Kingdom 2067509

[51] **LOC (6) Cl.** **14-03**

[52] **U.S. Cl.** **D14/247**

[58] **Field of Search** D14/137, 138, D14/115, 147-148, 247-248, 240, 140-142, 218; 379/433, 434, 419, 420, 428, 440, 368; 455/550-575, 90; D18/2, 7; D13/168

[56] **References Cited**

U.S. PATENT DOCUMENTS

- D. 289,896 5/1987 Martensson et al. D14/53
- D. 299,719 2/1989 Martensson et al. D14/138
- D. 302,423 7/1989 Martensson et al. D14/138
- D. 320,984 10/1991 Tattari D14/138
- D. 325,576 4/1992 Pitkonen D14/138
- D. 325,577 4/1992 Karlin D14/138
- D. 334,187 3/1993 Matsuda D14/138
- D. 334,766 4/1993 Peersman D18/7
- D. 334,926 4/1993 Hunt et al. D14/138
- D. 339,338 9/1993 Tattari et al. D14/138
- D. 341,138 11/1993 Cummings D14/138
- D. 345,734 4/1994 Seymour et al. D14/138
- D. 349,112 7/1994 Tattari D14/138
- D. 352,708 11/1994 Rossi D14/138
- D. 353,807 12/1994 White D14/138
- D. 353,809 12/1994 Nuovo et al. D14/138
- D. 353,820 12/1994 Siddoway D14/247

- D. 354,284 1/1995 White D14/138
- D. 356,561 3/1995 Berry D14/138
- D. 356,562 3/1995 Nuovo D14/138
- D. 356,563 3/1995 Berry D14/138
- D. 359,283 6/1995 Rudkiewicz D14/149
- D. 361,328 8/1995 White D14/138
- D. 361,762 8/1995 Berry D14/138
- D. 362,249 9/1995 Burstedt et al. D14/138
- D. 364,620 11/1995 Prior et al. D14/147
- D. 374,006 9/1996 Tattari D14/138
- D. 374,007 9/1996 Tattari D14/138
- D. 384,950 10/1997 Park D14/138
- D. 385,554 10/1997 Nuovo et al. D14/138
- D. 385,876 11/1997 Park D14/138
- D. 385,887 11/1997 Park D14/250
- D. 386,188 11/1997 Park D14/250
- D. 388,784 1/1998 Phillips et al. D14/138
- D. 392,968 3/1998 Johansson D14/144
- D. 393,857 4/1998 Park D14/138
- D. 396,230 7/1998 Phillips et al. D14/138
- D. 405,785 2/1999 Vuolteenaho D14/138
- 5,307,401 4/1994 Matsuda 455/550

Primary Examiner—Jeffrey Asch
Attorney, Agent, or Firm—Perman & Green, LLP

[57] **CLAIM**

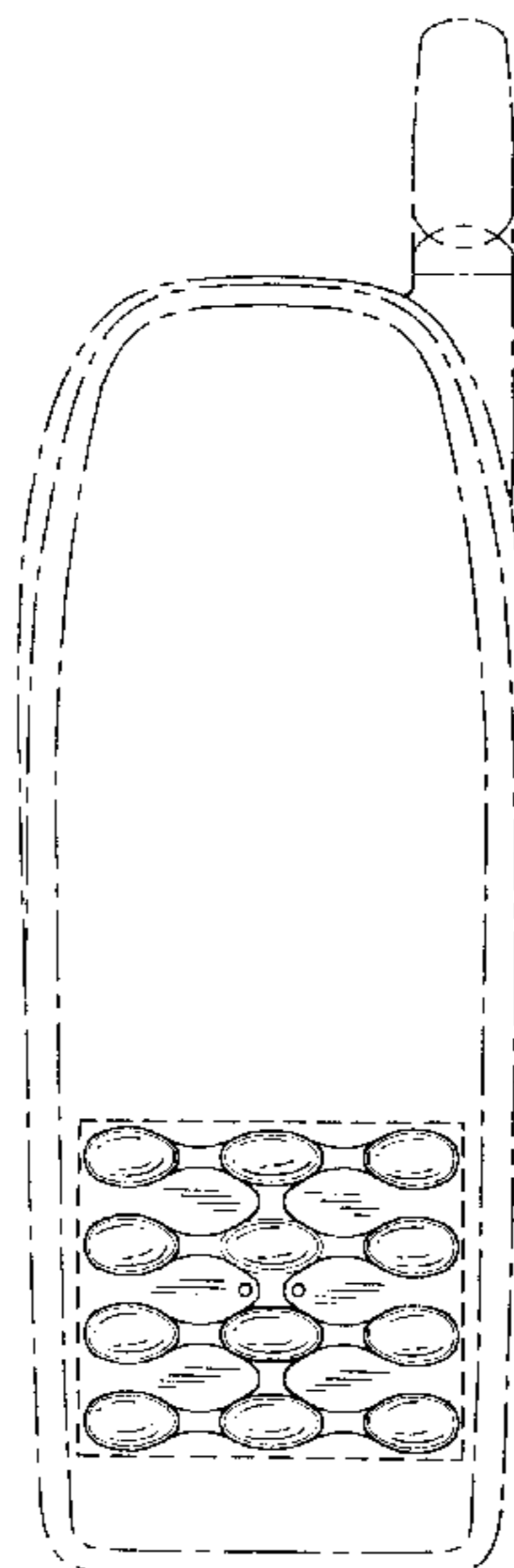
The ornamental design for a “pushbutton key array for a portable electronic apparatus,” as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a pushbutton key array for a portable electronic apparatus showing our new design; FIG. 2 is a front, right side and top perspective view thereof; and, FIG. 3 is a front, left side and bottom perspective view thereof.

The evenly dashed lines around the key array indicate, but are not included in, the boundaries of the claimed design. The unevenly dashed lines showing a telephone handset are for illustrative purposes only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



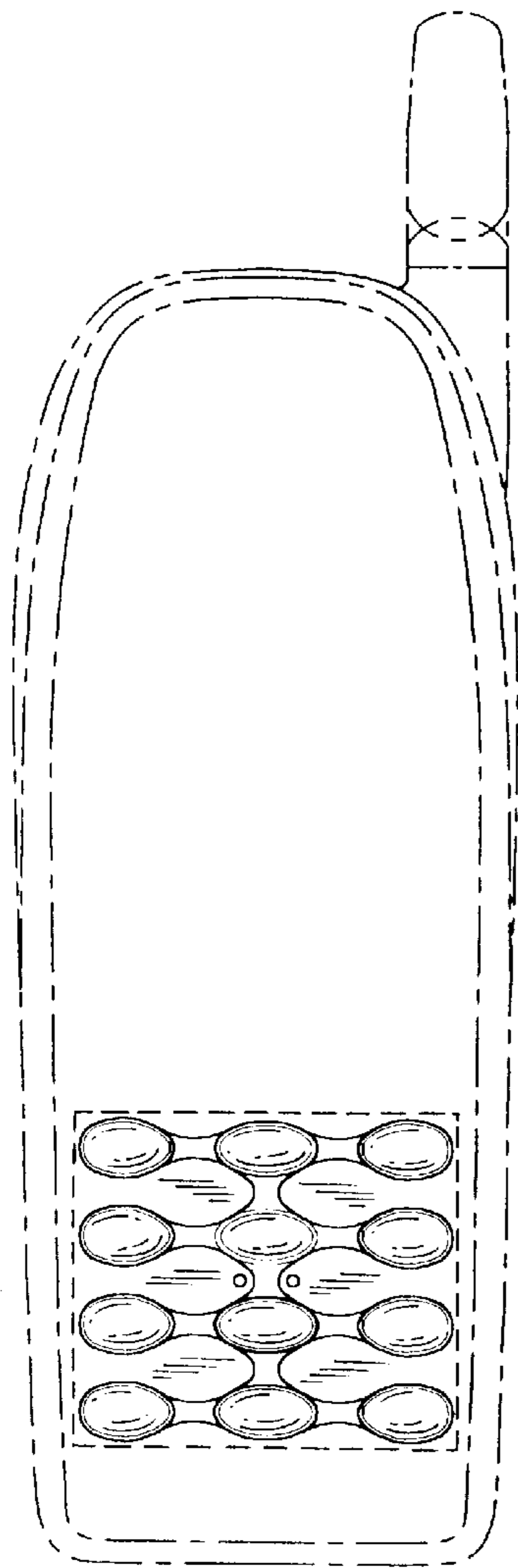


FIG. 1

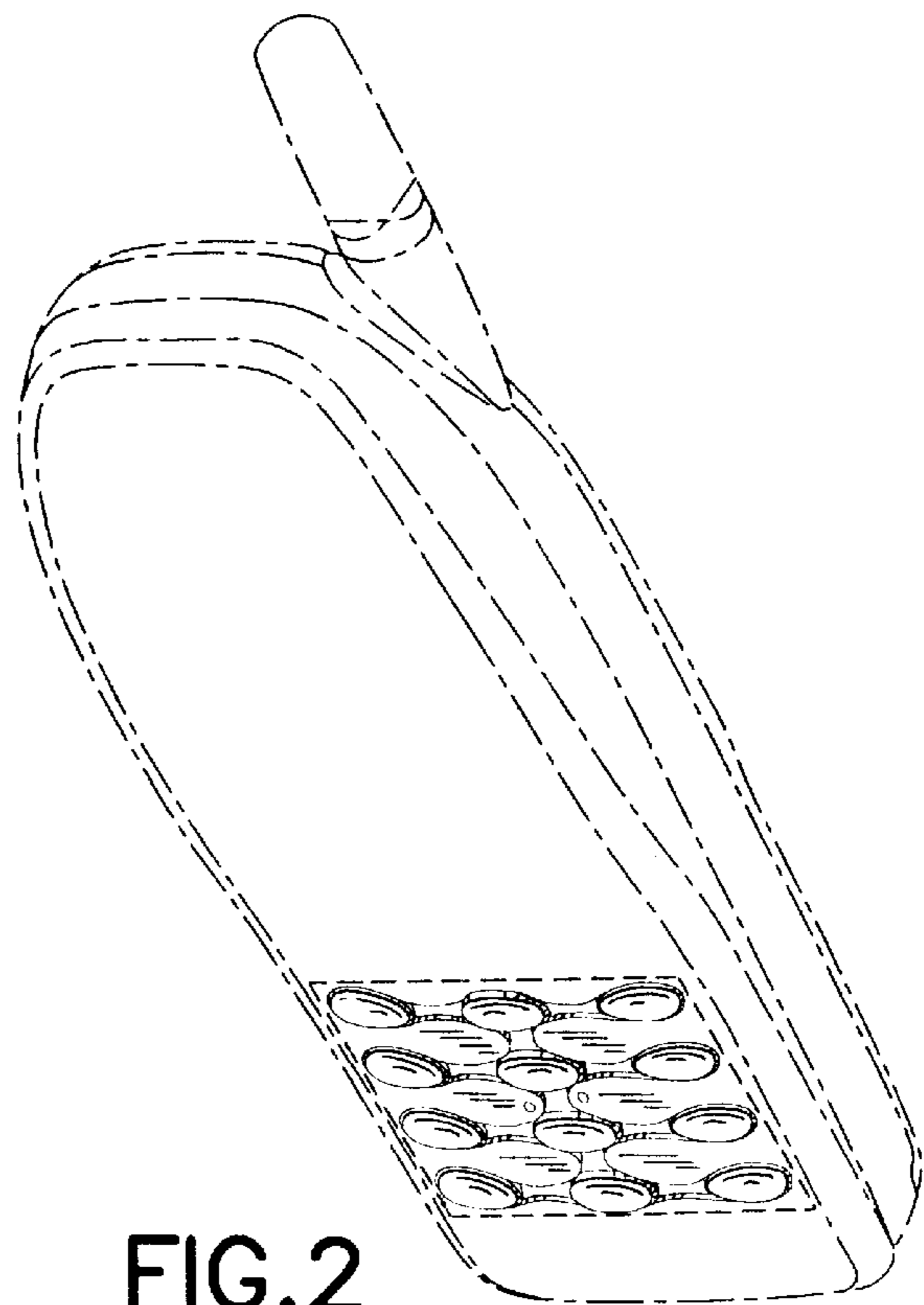


FIG. 2

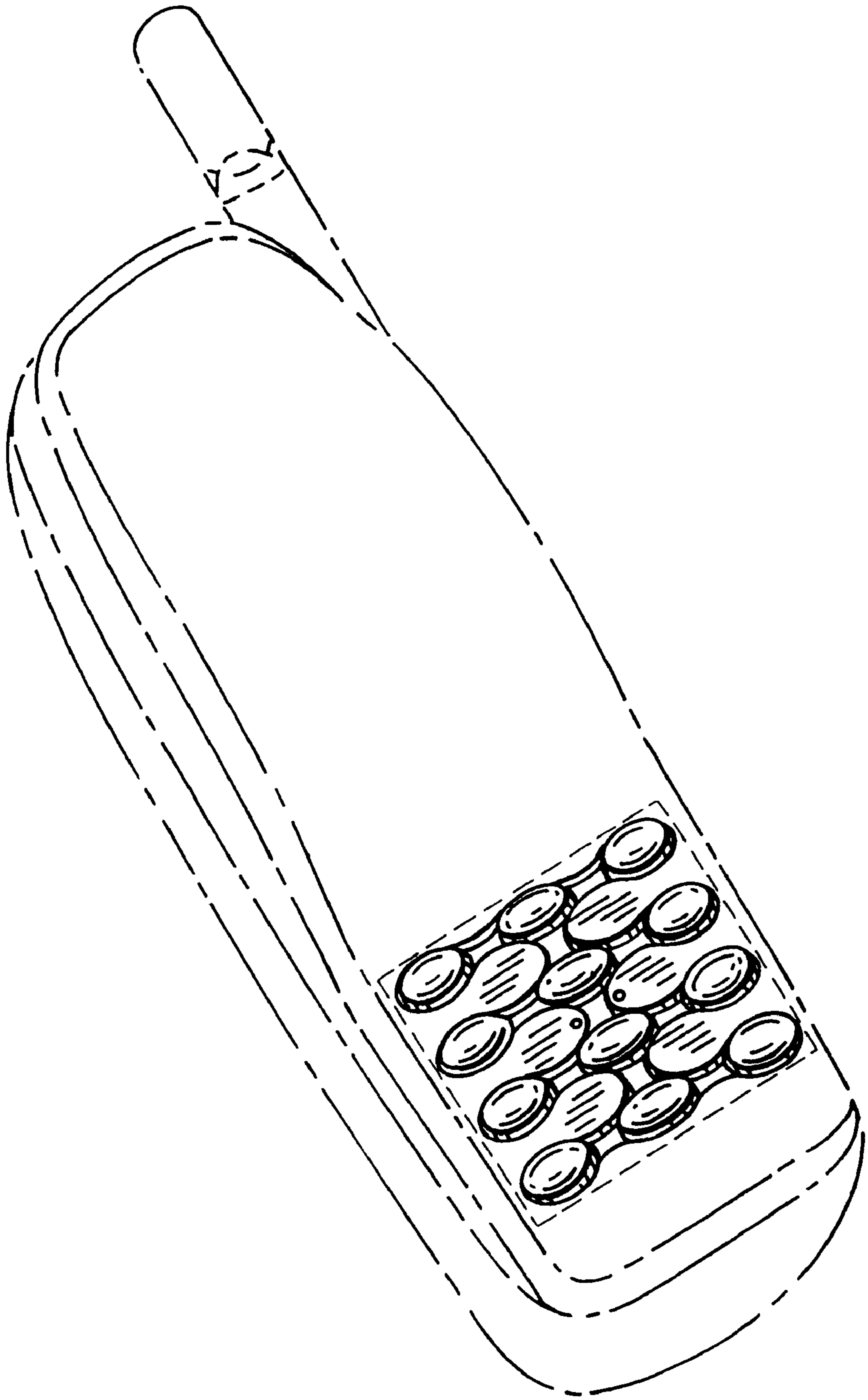


FIG. 3