



US00D409204S

# United States Patent [19]

[11] **Patent Number: Des. 409,204**

**Vuolteenaho**

[45] **Date of Patent: \*\* May 4, 1999**

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

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

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

[21] Appl. No.: **29/083,567**

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

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

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

[58] **Field of Search** ..... D14/137, 138, D14/147-148, 247-248, 250, 240, 140-142, 149-151, 218, 191, 100, 107, 114, 116, 244, 246, 257, 299; 379/433, 434, 419, 420, 428, 440, 368-370; 455/550-575, 90, 347; D18/6, 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. 334,926	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. 354,284	1/1995	White .....	D14/138
D. 356,561	3/1995	Berry .....	D14/138
D. 356,562	3/1995	Nuovo et al. ....	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. 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. 388,793	1/1998	Williams et al. ....	D14/247
D. 389,488	1/1998	Williams et al. ....	D14/247
D. 389,828	1/1998	Kutsuzawa .....	D14/138
D. 390,221	2/1998	Lindeman et al. ....	D14/138
D. 394,433	5/1998	Lindeman et al. ....	D14/138
D. 395,049	6/1998	Mason .....	D14/247
D. 395,302	6/1998	Nnagele et al. ....	D14/138

### OTHER PUBLICATIONS

Japanese advertisement showing Fujitsu D311 II, Ido telephone, Jan. 1998.  
 Mobile Computing and Communications, Samsung telephone shown, Dec. 1997.  
 Japanese advertisement showing Panasonic VE-J04 telephone, Aug. 10, 1992.  
 www.noki.com, two sheets showing Nokia 6190 telephone, Aug. 1998.

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

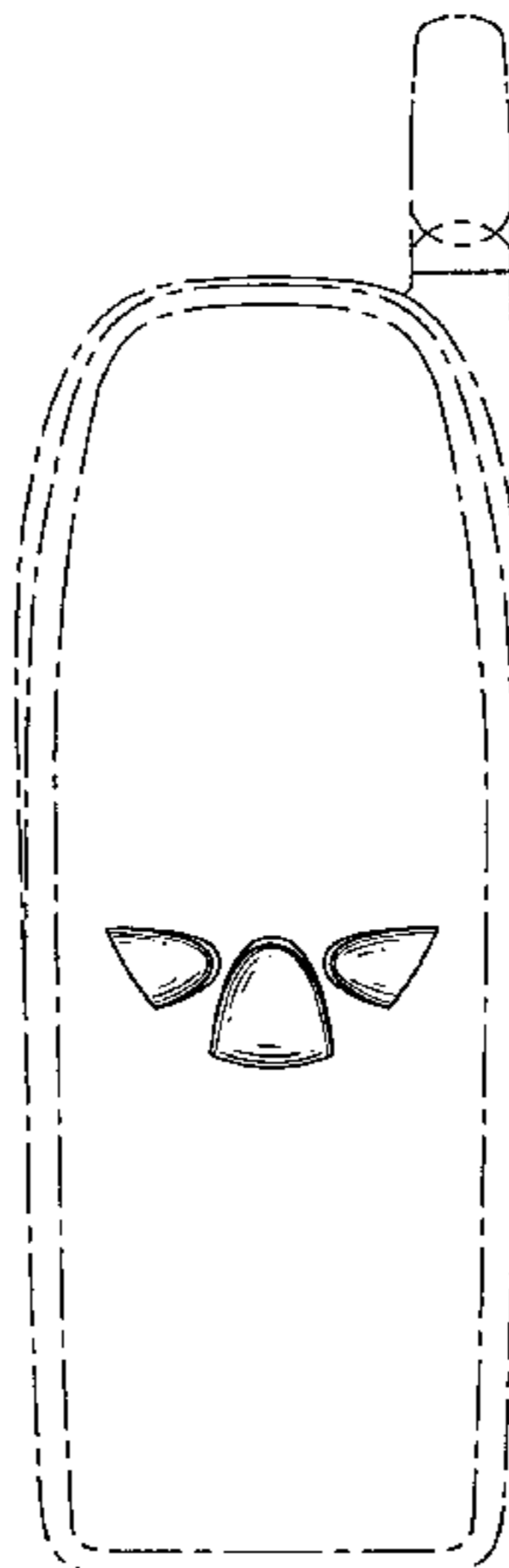
### [57] **CLAIM**

The ornamental design of 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 my 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 dotted lines showing the outline of a telephone handset are for illustration purposes only and forms no part of the claimed invention.

**1 Claim, 2 Drawing Sheets**



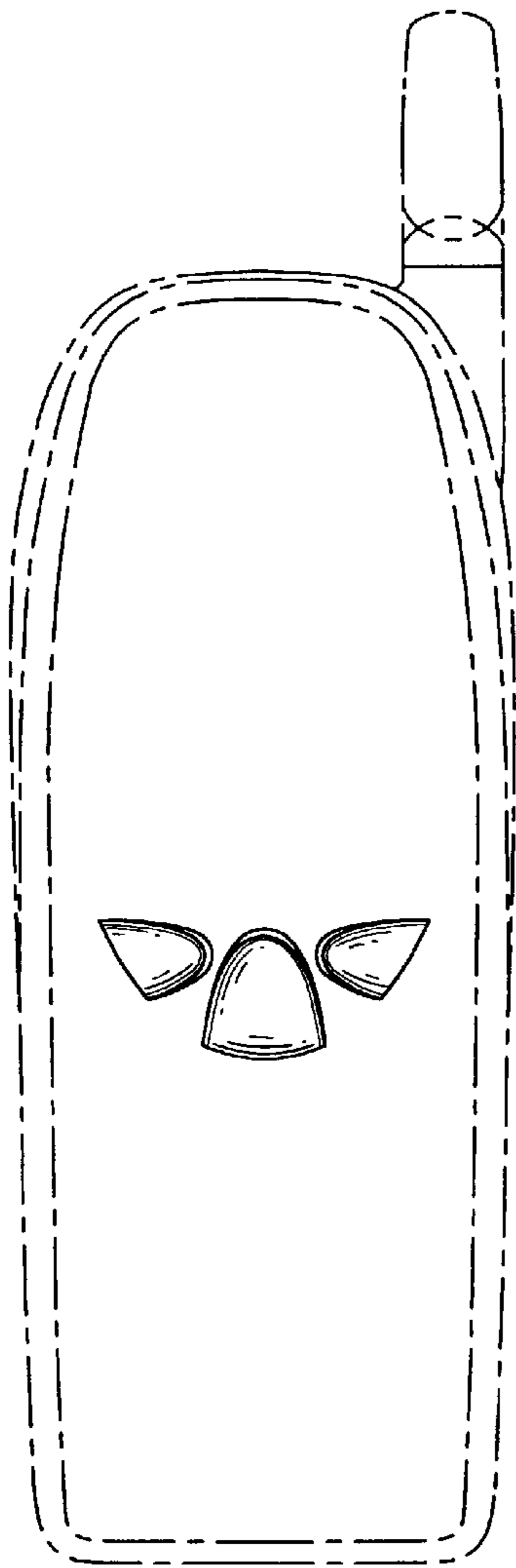


FIG. 1

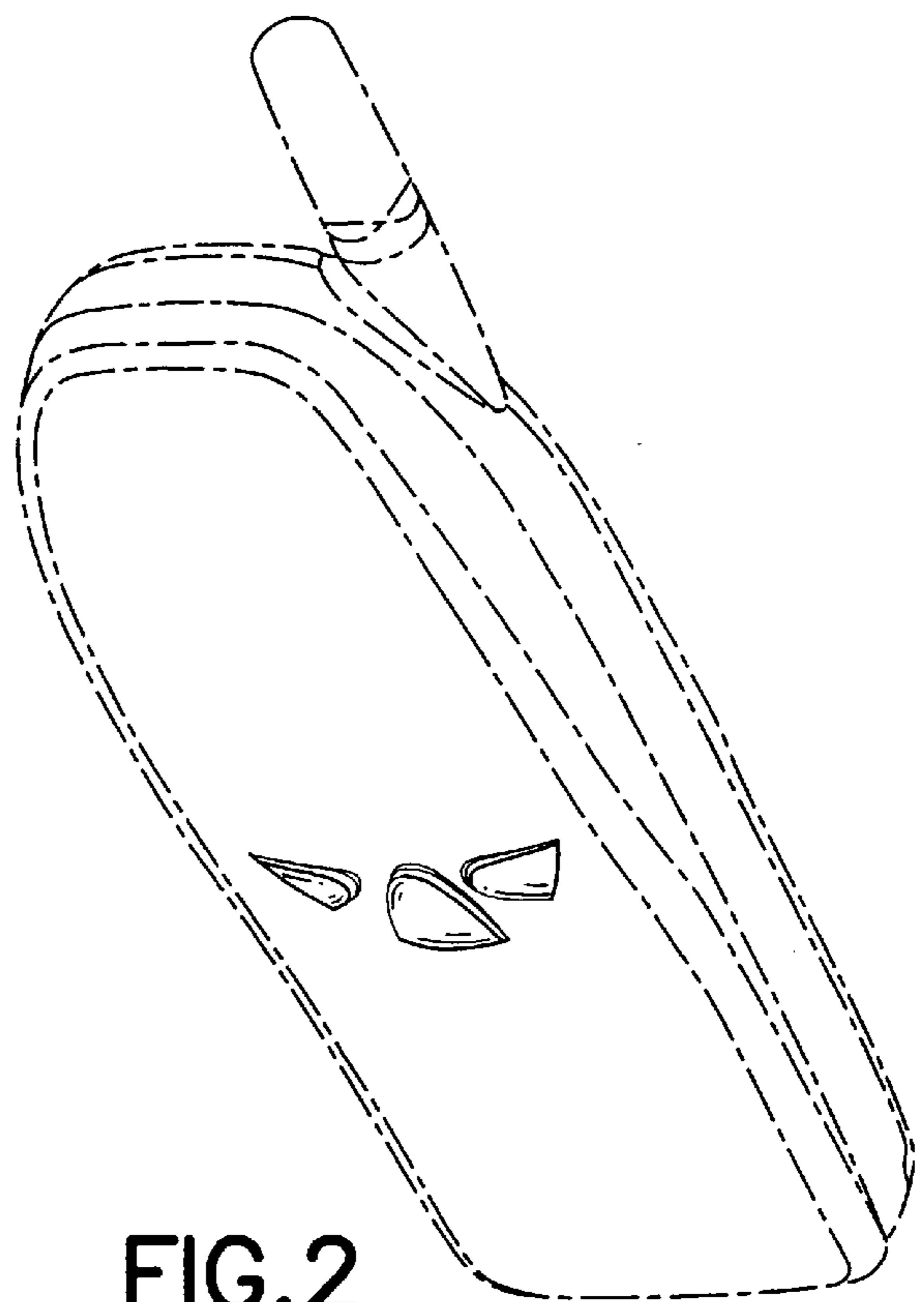


FIG. 2

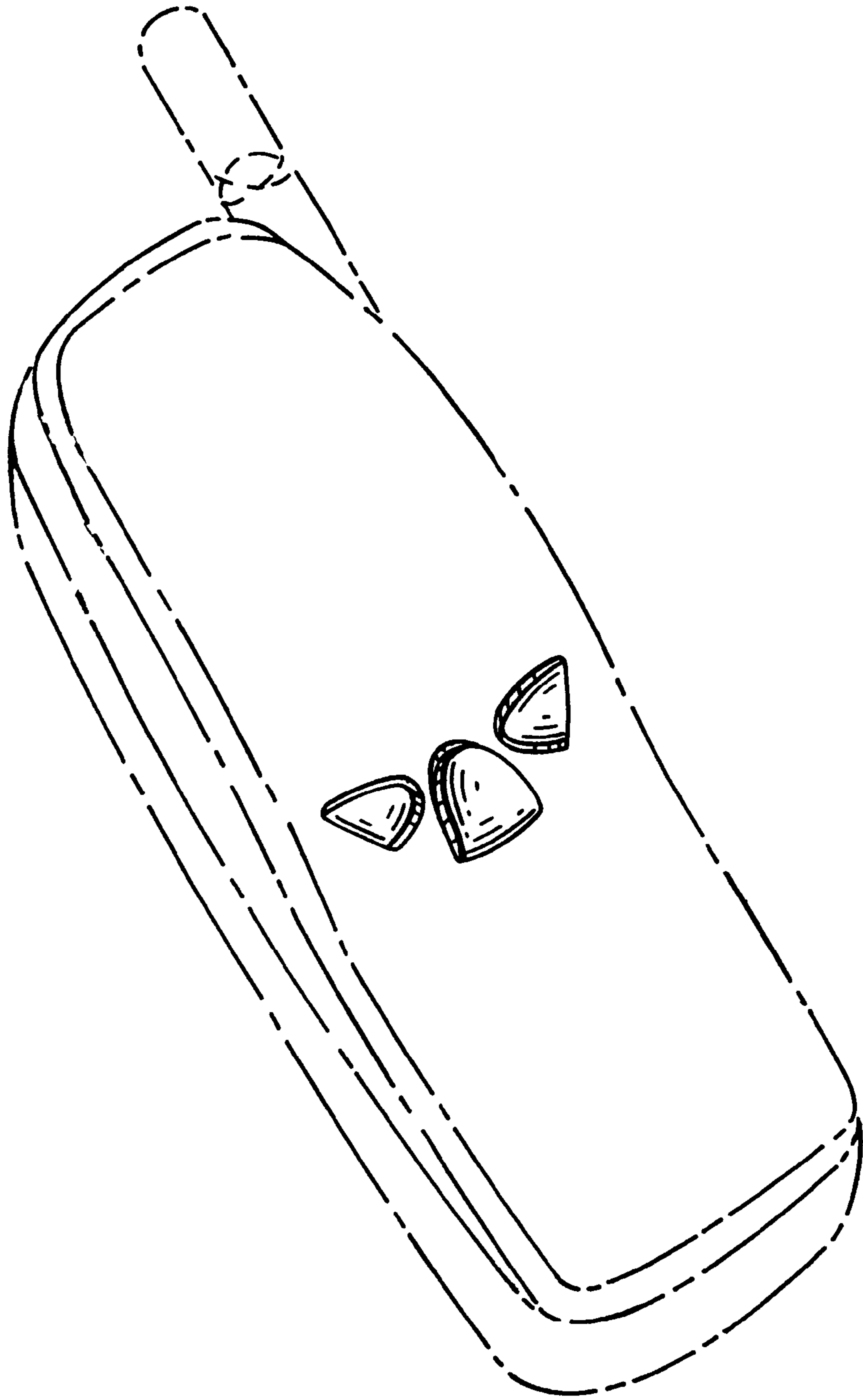


FIG. 3

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 409,204

DATED : May 4, 1999

INVENTOR(S) : Vuolteenaho

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE TITLE:

"PUSHBOTTON" should be --PUSHBUTTON--.

ON THE TITLE PAGE:

Foreign Priority Data should be included:

United Kingdom Application No. 2067508 filed July 18, 1997

Signed and Sealed this  
Twenty-sixth Day of October, 1999

*Attest:*



Q. TODD DICKINSON

*Attesting Officer*

*Acting Commissioner of Patents and Trademarks*