



US00D497907S1

(12) **United States Design Patent** (10) **Patent No.:** **US D497,907 S**
Griffin (45) **Date of Patent:** **** Nov. 2, 2004**

(54) **KEYBOARD FOR USE WITH A HANDHELD ELECTRONIC DEVICE**

5,426,449 A 6/1995 Danziger
D359,920 S 7/1995 Sakamoto

(75) Inventor: **Jason T. Griffin**, Waterloo (CA)

(List continued on next page.)

(73) Assignee: **Research In Motion Limited**, Waterloo (CA)

FOREIGN PATENT DOCUMENTS

(**) Term: **14 Years**

EP	0267801	5/1988
EP	0278169	8/1988
EP	0538020	4/1993
EP	0685801	12/1995
EP	0732646	9/1996

(21) Appl. No.: **29/183,362**

(List continued on next page.)

(22) Filed: **Jun. 11, 2003**

OTHER PUBLICATIONS

Related U.S. Application Data

(62) Division of application No. 29/153,424, filed on Jan. 8, 2002, now Pat. No. Des. 479,233.

(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/346; D14/391**

(58) **Field of Search** D14/341-346, D14/138; D18/1, 2, 7; 235/145 A, 145 R; 341/22, 23; 345/156, 168, 169, 172, 173; 349/12; 361/680-686; D10/65; D21/329

“Programmable Calculators: Hewlett-Packard HP-200LX,” Viktor T. Toth, copyr. 2001, 2002, from web page at www.rskey.org/hp200lx.htm.

Anonymous: Triangular Toggle Keys for Touch-Tone Phones; IBM Technical Disclosure Bulletin, vol. 31, No. 1, Jun. 1, pp. 47-49, New York, US.

Primary Examiner—Freda S. Nunn

(74) *Attorney, Agent, or Firm*—Jones Day; Krishna K. Pathiyal; Charles B. Meyer

(56) **References Cited**

(57) **CLAIM**

U.S. PATENT DOCUMENTS

The ornamental design for a keyboard for use with a handheld electronic device, as shown and described.

4,029,915 A	6/1977	Ojima
4,449,839 A	5/1984	Bleuer
D278,341 S	4/1985	Scheid
D293,241 S	12/1987	Wan et al.
D312,628 S	12/1990	Yokoi et al.
D313,401 S	1/1991	Tanabe
D313,413 S	1/1991	Langton
5,059,048 A	10/1991	Sirkin
5,184,830 A	2/1993	Okada et al.
5,217,295 A	6/1993	Tortola et al.
5,288,158 A	2/1994	Matias
5,336,001 A	8/1994	Lichtenberg
5,337,346 A	8/1994	Uchikura
5,360,280 A	11/1994	Camacho et al.
5,367,298 A	11/1994	Axthelm
D357,253 S	4/1995	Wong
5,410,141 A	4/1995	Koenck et al.
5,410,333 A	4/1995	Conway

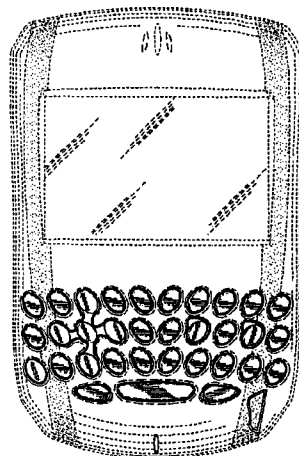
DESCRIPTION

FIG. 1 is a front elevation of a keyboard in accordance with the design; the broken line drawing of a device in this view is for illustrative purposes only and forms no part of the claimed design;

FIG. 2 is a right side elevation of a keyboard in accordance with the design; the broken line drawing of a device in this view is for illustrative purposes only and forms no part of the claimed design; and,

FIG. 3 is a left side elevation of a keyboard in accordance with the design; the broken line drawing of a device in this view is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

5,436,954 A 7/1995 Nishiyama et al.
 5,457,454 A 10/1995 Sugano
 D367,043 S 2/1996 Ross et al.
 5,500,643 A 3/1996 Grant
 5,543,787 A 8/1996 Karidis et al.
 5,563,631 A 10/1996 Masunaga
 5,575,576 A 11/1996 Roysden, Jr.
 5,600,790 A 2/1997 Barnstijn et al.
 5,606,712 A 2/1997 Hidaka
 5,611,031 A 3/1997 Hertzfeld et al.
 D381,021 S 7/1997 Williams et al.
 5,659,307 A 8/1997 Karidis et al.
 5,661,605 A 8/1997 Conway
 D383,756 S 9/1997 Henderson et al.
 5,672,108 A 9/1997 Lam et al.
 D386,497 S 11/1997 Huslig et al.
 5,689,253 A 11/1997 Hargreaves et al.
 D390,509 S 2/1998 Antzinas et al.
 5,737,394 A 4/1998 Anderson et al.
 5,786,776 A 7/1998 Kisaichi et al.
 D397,369 S 8/1998 Rissman
 D397,728 S 9/1998 Yuen et al.
 D399,537 S 10/1998 Chi et al.
 5,818,437 A 10/1998 Grover et al.
 5,825,353 A 10/1998 Will
 5,827,082 A 10/1998 Laine
 D402,572 S 12/1998 Han
 D403,362 S 12/1998 Fai
 5,861,821 A 1/1999 Kato et al.
 5,893,798 A 4/1999 Stambolic et al.
 5,915,228 A 6/1999 Kunihiro et al.
 5,920,308 A 7/1999 Kim
 5,931,873 A 8/1999 Cisar
 5,963,197 A 10/1999 Bacon et al.
 5,974,238 A 10/1999 Chase, Jr.
 D416,256 S 11/1999 Griffin et al.
 5,982,520 A 11/1999 Weiser et al.
 5,995,026 A 11/1999 Sellers
 6,005,496 A 12/1999 Hargreaves et al.
 6,006,351 A 12/1999 Peretz et al.
 6,009,333 A 12/1999 Chaco
 6,014,429 A 1/2000 LaPorta et al.
 6,014,573 A 1/2000 Lehtonen et al.
 D420,351 S 2/2000 Waldner
 6,023,779 A 2/2000 Fullam et al.
 6,047,047 A 4/2000 Aldridge et al.
 6,047,196 A 4/2000 Makela et al.
 6,049,796 A 4/2000 Siitonen et al.
 6,052,070 A 4/2000 Kivela et al.
 6,084,576 A 7/2000 Leu et al.
 6,091,956 A 7/2000 Hollenberg
 6,094,197 A 7/2000 Buxton et al.
 6,102,594 A 8/2000 Strom
 6,103,979 A 8/2000 Motoyama et al.
 6,107,997 A 8/2000 Ure
 D432,511 S 10/2000 Eckholm

D433,017 S 10/2000 Martinez
 D433,460 S 11/2000 Griffin et al.
 6,148,261 A 11/2000 Obradovich et al.
 6,157,323 A 12/2000 Tso et al.
 D436,591 S 1/2001 Abston et al.
 6,212,412 B1 4/2001 Rogers et al.
 D441,733 S 5/2001 Do et al.
 6,243,789 B1 6/2001 Hasbun et al.
 6,278,442 B1 8/2001 Griffin et al.
 6,295,052 B1 9/2001 Kato et al.
 6,297,795 B1 10/2001 Kato et al.
 6,304,261 B1 10/2001 Shields et al.
 6,304,431 B1 10/2001 Kim
 6,310,609 B1 10/2001 Morgenthaler
 D451,079 S 11/2001 Ali
 D454,349 S 3/2002 Makidera et al.
 D454,849 S 3/2002 Eckholm
 6,356,258 B1 3/2002 Kato et al.
 6,374,277 B2 4/2002 Vong et al.
 D456,794 S 5/2002 Laverick et al.
 6,385,463 B1 5/2002 Lieberman et al.
 6,396,482 B1 5/2002 Griffin et al.
 D458,239 S 6/2002 Shim et al.
 D459,327 S 6/2002 Ali
 D460,068 S 7/2002 Lanzaro et al.
 D460,493 S 7/2002 Griffin et al.
 D461,803 S 8/2002 Griffin et al.
 6,452,588 B2 9/2002 Griffin et al.
 D464,995 S 10/2002 Griffin et al.
 6,459,968 B1 10/2002 Kochie
 6,489,950 B1 12/2002 Griffin et al.
 6,507,336 B1 1/2003 Lunsford
 D472,225 S 3/2003 Griffin
 6,535,749 B1 3/2003 Iwata et al.
 6,538,651 B1 3/2003 Haymann et al.
 D472,551 S 4/2003 Griffin
 D473,226 S 4/2003 Griffin
 D476,985 S 7/2003 Griffin
 D478,585 S 8/2003 Griffin
 6,611,254 B1 8/2003 Griffin et al.
 D479,233 S * 9/2003 Griffin D14/346
 D480,722 S 10/2003 Griffin
 6,630,924 B1 10/2003 Peck
 6,647,367 B2 11/2003 McArthur et al.
 2001/0044828 A1 11/2001 Kikinis

FOREIGN PATENT DOCUMENTS

EP 0760291 3/1997
 EP 1143327 10/2001
 WO 9833111 7/1998
 WO 9937025 7/1999
 WO 0030381 5/2000
 WO 0038041 6/2000
 WO 0074240 12/2000
 WO 0150335 7/2001

* cited by examiner

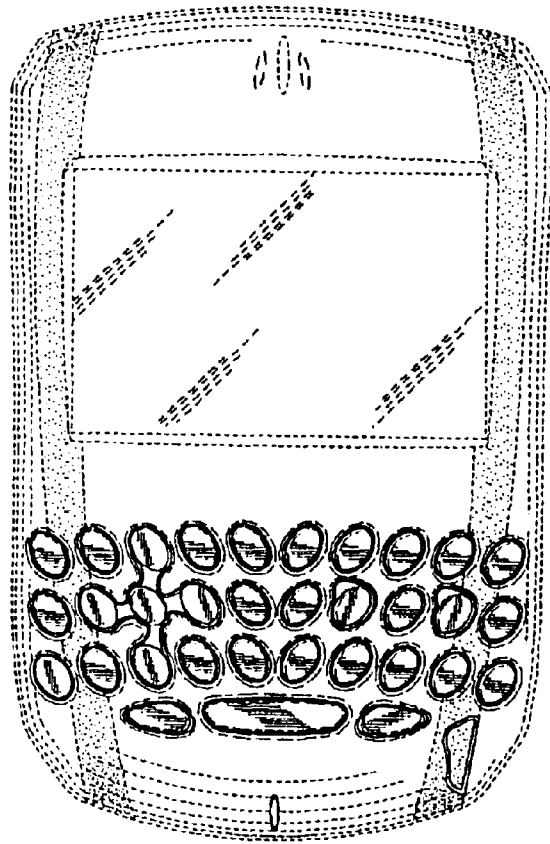


FIG. 1

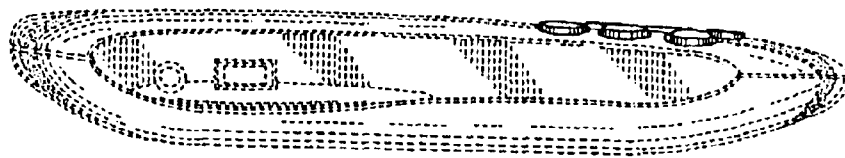


FIG. 2

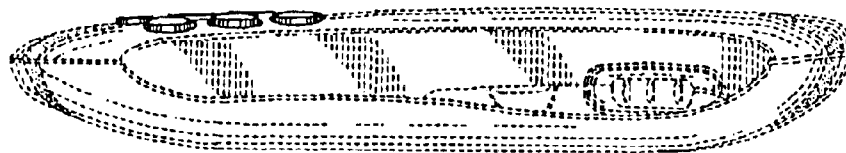


FIG. 3