



US007516192B2

(12) **United States Patent**  
**Brown**(10) **Patent No.:** US 7,516,192 B2  
(45) **Date of Patent:** \*Apr. 7, 2009(54) **NETWORKED SYSTEM FOR INTERACTIVE COMMUNICATION AND REMOTE MONITORING OF INDIVIDUALS**(75) Inventor: **Stephen J. Brown**, Woodside, CA (US)(73) Assignee: **Health Hero Network, Inc.**, Redwood City, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 308 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **11/487,104**(22) Filed: **Jul. 14, 2006**(65) **Prior Publication Data**

US 2006/0253576 A1 Nov. 9, 2006

**Related U.S. Application Data**

(60) Continuation of application No. 11/150,301, filed on Jun. 13, 2005, which is a continuation of application No. 09/658,209, filed on Sep. 8, 2000, now Pat. No. 6,968,375, which is a continuation-in-part of application No. 09/300,856, filed on Apr. 28, 1999, now Pat. No. 6,368,273, which is a division of application No. 08/946,341, filed on Oct. 7, 1997, now Pat. No. 5,997, 476, which is a continuation-in-part of application No. 08/847,009, filed on Apr. 30, 1997, now Pat. No. 5,897, 493.

(60) Provisional application No. 60/041,746, filed on Mar. 28, 1997, provisional application No. 60/041,751, filed on Mar. 28, 1997.

(51) **Int. Cl.**  
**G06F 15/16** (2006.01)(52) **U.S. Cl.** ..... **709/217**(58) **Field of Classification Search** ..... 709/217, 709/224, 202; 600/300  
See application file for complete search history.(56) **References Cited**

## U.S. PATENT DOCUMENTS

3,426,150 A 2/1969 Tygart

(Continued)

## FOREIGN PATENT DOCUMENTS

EP 0286456 10/1988

(Continued)

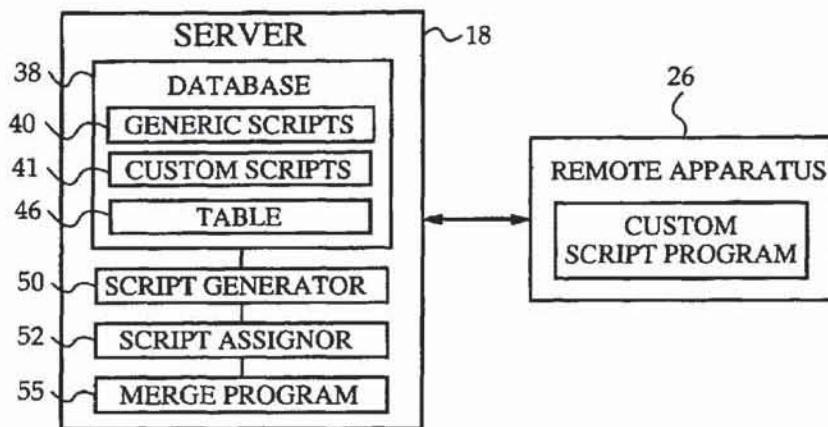
## OTHER PUBLICATIONS

+5V Powered Isolated RS-232 Drivers/Receivers Maxim Integrated Products.

(Continued)

*Primary Examiner*—Salad Abdullahi(74) *Attorney, Agent, or Firm*—Christopher P. Maiorana, PC(57) **ABSTRACT**

A system for remotely monitoring an individual. The system includes a server system for generating a script program from a set of queries. The script program is executable by a remote apparatus that displays information and/or a set of queries to the individual through a user interface. Responses to the queries that are entered through the user interface together with individual identification information are sent from the remote apparatus to the server system across a communication network. The server system also includes an automated answering service for providing a series of questions from a stored set of questions for an individual at the remote apparatus to respond to, storing responses to each provided question in the series of questions and providing a service based on the individual's response to the questions.

**37 Claims, 20 Drawing Sheets**

## U.S. PATENT DOCUMENTS

3,566,365 A	2/1971	Rawson et al.	4,916,441 A	4/1990	Gombrich
3,566,370 A	2/1971	Worthington, Jr. et al.	4,931,934 A	6/1990	Snyder
3,581,072 A	5/1971	Nymeyer	4,933,873 A	6/1990	Kaufman et al.
3,768,014 A	10/1973	Smith	4,933,876 A	6/1990	Markoff et al.
3,811,116 A	5/1974	Takeuchi et al.	4,950,246 A	8/1990	Muller
3,883,235 A	5/1975	Lynn et al.	4,950,264 A	8/1990	Osborn, III
3,910,257 A	10/1975	Fletcher et al.	4,953,552 A	9/1990	DeMarzo
3,920,005 A	11/1975	Gombrich et al.	4,958,632 A	9/1990	Duggan
3,996,928 A	12/1976	Marx	4,958,641 A	9/1990	Digby et al.
4,004,577 A	1/1977	Sarnoff	4,967,756 A	11/1990	Hewitt
4,051,522 A	9/1977	Healy et al.	4,977,899 A	12/1990	Digby et al.
4,060,915 A	12/1977	Conway	4,978,303 A	12/1990	Lampbell
4,130,881 A	12/1978	Haessler et al.	4,978,335 A	12/1990	Arthur, III
4,150,284 A	4/1979	Trenkler et al.	4,979,509 A	12/1990	Hakky
4,151,407 A	4/1979	McBride et al.	5,007,429 A	4/1991	Treach et al.
4,151,831 A	5/1979	Lester	5,009,645 A	4/1991	Silver et al.
4,173,971 A	11/1979	Karz	5,016,172 A	5/1991	Dessertine
4,216,462 A	8/1980	McGrath et al.	5,019,974 A	5/1991	Beckers
4,227,526 A	10/1980	Goss	5,024,225 A	6/1991	Fang
4,253,521 A	3/1981	Savage	5,025,374 A	6/1991	Roizen et al.
4,259,548 A	3/1981	Fahey et al.	5,034,807 A	7/1991	Von Kohorn
4,270,547 A	6/1981	Steffen et al.	5,035,625 A	7/1991	Munson et al.
4,296,756 A	10/1981	Dunning et al.	5,036,462 A	7/1991	Kaufman et al.
4,347,568 A	8/1982	Giguere et al.	5,049,487 A	9/1991	Phillips et al.
4,347,851 A	9/1982	Jundanian	5,050,612 A	9/1991	Matsumura
4,360,345 A	11/1982	Hon	5,056,059 A	10/1991	Tivig et al.
4,412,287 A	10/1983	Braddock, III	5,059,394 A	10/1991	Phillips et al.
4,417,306 A	11/1983	Citron et al.	5,065,315 A	11/1991	Garcia
4,422,081 A	12/1983	Woods	5,068,536 A	11/1991	Rosenthal
4,428,733 A	1/1984	Kumar-Misir	5,074,317 A	12/1991	Bondell et al.
4,449,536 A	5/1984	Weaver	5,077,476 A	12/1991	Rosenthal
4,465,077 A	8/1984	Schneider	5,077,665 A	12/1991	Silverman et al.
4,473,884 A	9/1984	Behl	5,095,798 A	3/1992	Okada et al.
4,518,361 A	5/1985	Conway	5,104,380 A	4/1992	Holman et al.
4,519,398 A	5/1985	Lisiecki et al.	5,109,414 A	4/1992	Harvey et al.
4,531,527 A	7/1985	Reinhold, Jr.	5,109,974 A	5/1992	Beer et al.
4,546,436 A	10/1985	Schneider et al.	5,111,396 A	5/1992	Mills et al.
4,566,461 A	1/1986	Lubell et al.	5,111,817 A	5/1992	Clark et al.
4,576,578 A	3/1986	Parker et al.	5,111,818 A	5/1992	Suzuki et al.
4,592,546 A	6/1986	Fascenda et al.	5,120,230 A	6/1992	Clark et al.
4,627,445 A	12/1986	Garcia	5,120,421 A	6/1992	Glass et al.
4,674,652 A	6/1987	Aten et al.	5,128,552 A	7/1992	Fang et al.
4,686,624 A	8/1987	Blum et al.	5,128,752 A	7/1992	Von Kohorn
4,694,490 A	9/1987	Harvey et al.	5,134,391 A	7/1992	Okada
4,695,954 A	9/1987	Rose et al.	5,142,358 A	8/1992	Jason
4,712,562 A	12/1987	Ohayon et al.	5,142,484 A	8/1992	Kaufman et al.
4,722,349 A	2/1988	Baumberg	5,143,378 A	9/1992	Joel
4,729,381 A	3/1988	Harada et al.	5,171,977 A	12/1992	Morrison
4,730,253 A	3/1988	Gordon	5,176,502 A	1/1993	Sanderson et al.
4,731,726 A	3/1988	Allen, III	5,182,707 A	1/1993	Cooper et al.
4,738,451 A	4/1988	Logg	5,204,670 A	4/1993	Stinton
4,768,229 A	8/1988	Benjamin et al.	5,219,322 A	6/1993	Weathers
4,779,199 A	10/1988	Yoneda et al.	5,222,020 A	6/1993	Takeda
4,782,511 A	11/1988	Nemec et al.	5,226,895 A	7/1993	Harris
4,789,928 A	12/1988	Fujisaki	5,227,874 A	7/1993	Von Kohorn
4,796,639 A	1/1989	Snow et al.	5,228,450 A	7/1993	Sellers
4,799,156 A	1/1989	Shavit et al.	5,230,629 A	7/1993	Buschke
4,799,199 A	1/1989	Scales, III et al.	5,231,990 A	8/1993	Gauglitz
4,803,625 A	2/1989	Fu et al.	5,243,515 A	9/1993	Lee
4,835,372 A	5/1989	Gombrich et al.	5,249,044 A	9/1993	Von Kohorn
4,838,275 A	6/1989	Lee	5,251,126 A	10/1993	Kahn et al.
4,846,797 A	7/1989	Howson et al.	5,261,401 A	11/1993	Baker et al.
4,853,521 A	8/1989	Claeys et al.	5,262,943 A	11/1993	Thibado et al.
4,858,354 A	8/1989	Gettler	5,265,888 A	11/1993	Yamamoto et al.
4,858,617 A	8/1989	Sanders	5,266,179 A	11/1993	Nankai et al.
4,890,621 A	1/1990	Hakky	5,275,159 A	1/1994	Griebel
4,894,777 A	1/1990	Negishi et al.	5,282,950 A	2/1994	Dietze et al.
4,897,869 A	1/1990	Takahashi	5,295,491 A	3/1994	Gevins
4,899,839 A	2/1990	Dessertine et al.	5,299,121 A	3/1994	Brill et al.
			5,301,105 A	4/1994	Cummings, Jr.
			5,304,112 A	4/1994	Mrklas et al.

## US 7,516,192 B2

Page 3

5,309,919 A	5/1994	Snell et al.	5,619,991 A	4/1997	Sloane
5,321,009 A	6/1994	Baeder et al.	5,624,265 A	4/1997	Redford et al.
5,325,288 A	6/1994	Satou	5,628,309 A	5/1997	Brown
5,329,459 A	7/1994	Kaufman et al.	5,629,981 A	5/1997	Nerlikar
5,329,608 A	7/1994	Bocchieri et al.	5,631,844 A	5/1997	Margrey et al.
5,331,549 A	7/1994	Crawford, Jr.	5,633,910 A	5/1997	Cohen
5,333,981 A	8/1994	Pronovost et al.	5,635,532 A	6/1997	Samid
5,335,338 A	8/1994	Proesel	5,640,569 A	6/1997	Miller et al.
5,339,821 A	8/1994	Fujimoto	5,640,953 A	6/1997	Bishop et al.
5,341,291 A	8/1994	Roizen et al.	5,642,731 A	7/1997	Kehr
5,343,239 A	8/1994	Lappington et al.	5,642,936 A	7/1997	Evans
5,344,324 A	9/1994	O'Donnell et al.	5,651,363 A	7/1997	Kaufman et al.
5,357,427 A	10/1994	Langen et al.	5,651,775 A	7/1997	Walker et al.
5,366,896 A	11/1994	Margrey et al.	5,659,691 A	8/1997	Durward et al.
5,368,562 A	11/1994	Blomquist et al.	5,666,487 A	9/1997	Goodman et al.
5,371,687 A	12/1994	Holmes, II et al.	5,670,711 A	9/1997	Detournay et al.
5,375,604 A	12/1994	Kelly et al.	5,675,635 A	10/1997	Vos et al.
5,377,100 A	12/1994	Pope et al.	5,678,562 A	10/1997	Sellers
5,390,238 A	2/1995	Kirk et al.	5,678,571 A	10/1997	Brown
5,399,821 A	3/1995	Inagaki et al.	5,679,075 A	10/1997	Forrest et al.
5,410,471 A	4/1995	Alyfuku et al.	5,680,590 A	10/1997	Parti
5,410,474 A	4/1995	Fox	5,680,866 A	10/1997	Kangas et al.
5,429,140 A	7/1995	Burdea et al.	5,687,322 A	11/1997	Deaton et al.
5,431,690 A	7/1995	Schaldach et al.	5,687,717 A	11/1997	Halpern et al.
5,431,691 A	7/1995	Snell et al.	5,687,734 A	11/1997	Dempsey et al.
5,434,611 A	7/1995	Tamura	5,689,652 A	11/1997	Lupien et al.
5,438,607 A	8/1995	Przygoda, Jr. et al.	5,692,906 A	12/1997	Corder
5,438,983 A	8/1995	Falcon	5,704,364 A	1/1998	Saltzstein et al.
5,441,047 A	8/1995	David et al.	5,704,366 A	1/1998	Tacklind et al.
5,449,334 A	9/1995	Kingsbury	5,704,902 A	1/1998	Vandenbelt et al.
5,454,721 A	10/1995	Kuch	5,704,922 A	1/1998	Brown
5,454,722 A	10/1995	Holland et al.	5,710,178 A	1/1998	Samid
5,456,606 A	10/1995	McIntyre	5,710,918 A	1/1998	Lagarde et al.
5,456,692 A	10/1995	Smith, Jr. et al.	5,711,297 A	1/1998	Iliff
5,458,123 A	10/1995	Unger	5,714,319 A	2/1998	Joutel et al.
5,467,269 A	11/1995	Flaten	5,715,451 A	2/1998	Marlin
5,471,039 A	11/1995	Irwin, Jr. et al.	5,715,823 A	2/1998	Wood et al.
5,471,382 A	11/1995	Tallman et al.	5,717,739 A	2/1998	Dyer et al.
5,483,276 A	1/1996	Brooks et al.	5,717,913 A	2/1998	Driscoll
5,488,412 A	1/1996	Majeti et al.	5,720,733 A	2/1998	Brown
5,488,423 A	1/1996	Walkingshaw et al.	5,722,418 A	3/1998	Bro
5,501,231 A	3/1996	Kaish	5,727,153 A	3/1998	Powell
5,502,636 A	3/1996	Clarke	5,730,124 A	3/1998	Yamauchi
5,502,726 A	3/1996	Fischer	5,730,654 A	3/1998	Brown
5,504,519 A	4/1996	Remillard	5,732,696 A	3/1998	Rapoport et al.
5,517,405 A	5/1996	McAndrew et al.	5,732,709 A	3/1998	Tacklind et al.
5,518,001 A	5/1996	Snell	5,734,413 A	3/1998	Lappington et al.
5,519,058 A	5/1996	Gonick et al.	5,749,083 A	5/1998	Koda et al.
5,519,433 A	5/1996	Lappington et al.	5,752,234 A	5/1998	Withers
5,523,232 A	6/1996	Sechler	5,754,740 A	5/1998	Fukuoka et al.
5,536,249 A	7/1996	Castellano et al.	5,760,771 A	6/1998	Blonder et al.
5,542,420 A	8/1996	Goldman et al.	5,772,585 A	6/1998	Lavin et al.
5,544,649 A	8/1996	David et al.	5,778,882 A	7/1998	Raymond et al.
5,546,943 A	8/1996	Gould	5,782,814 A	7/1998	Brown et al.
5,549,117 A	8/1996	Tacklind et al.	5,785,650 A	7/1998	Akasaka et al.
5,550,575 A	8/1996	West et al.	5,787,295 A	7/1998	Nakao
5,553,609 A	9/1996	Chen et al.	5,791,342 A	8/1998	Woodard
5,558,638 A	9/1996	Evers et al.	5,792,117 A	8/1998	Brown
5,564,429 A	10/1996	Bornn et al.	5,793,969 A	8/1998	Kamentsky et al.
5,569,212 A	10/1996	Brown	5,794,219 A	8/1998	Brown
5,572,421 A	11/1996	Altman et al.	5,794,251 A	8/1998	Watanabe et al.
5,572,646 A	11/1996	Kawai et al.	5,796,393 A	8/1998	MacNaughton
5,574,828 A	11/1996	Hayward et al.	5,799,318 A	8/1998	Cardinal et al.
5,576,952 A	11/1996	Stutman et al.	5,800,458 A	9/1998	Wingrove
5,583,758 A	12/1996	McIlroy et al.	5,802,494 A	9/1998	Kuno
5,590,648 A	1/1997	Mitchell et al.	5,802,534 A	9/1998	Hatayama et al.
5,593,349 A	1/1997	Miguel et al.	5,806,057 A	9/1998	Gormley et al.
5,593,390 A	1/1997	Castellano et al.	5,810,747 A	9/1998	Brudny et al.
5,594,637 A	1/1997	Eisenberg et al.	5,819,735 A	10/1998	Mansfield et al.
5,596,994 A	1/1997	Bro	5,822,544 A	10/1998	Chaco et al.
5,597,307 A	1/1997	Redford et al.	5,822,715 A	10/1998	Worthington et al.

# US 7,516,192 B2

Page 4

5,828,943 A	10/1998	Brown	6,248,065 B1	6/2001	Brown
5,832,448 A	11/1998	Brown	6,260,022 B1	7/2001	Brown
5,835,896 A	11/1998	Fisher et al.	6,270,455 B1	8/2001	Brown
5,840,020 A	11/1998	Heinonen et al.	6,270,456 B1	8/2001	Iliif
5,842,976 A	12/1998	Williamson	6,334,778 B1	1/2002	Brown
5,868,669 A	2/1999	Iliif	6,352,523 B1	3/2002	Brown et al.
5,868,683 A	2/1999	Protopapas et al.	6,368,273 B1	4/2002	Brown
5,875,432 A	2/1999	Sehr	6,370,513 B1	4/2002	Kolawa et al.
5,879,163 A	3/1999	Brown et al.	6,375,469 B1	4/2002	Brown
5,882,338 A	3/1999	Gray	6,379,301 B1	4/2002	Worthington et al.
5,887,133 A	3/1999	Brown et al.	6,381,577 B1	4/2002	Brown
5,893,077 A	4/1999	Griffin	6,436,036 B1	8/2002	Miller-Kovach et al.
5,893,098 A	4/1999	Peters et al.	6,513,532 B2	2/2003	Mault et al.
5,897,493 A	4/1999	Brown	6,849,045 B2 *	2/2005	Iliif ..... 600/300
5,899,855 A	5/1999	Brown	2002/0019748 A1	2/2002	Brown
5,911,687 A	6/1999	Sato et al.	2004/0106855 A1	6/2004	Brown
5,913,310 A	6/1999	Brown	2004/0107116 A1	6/2004	Brown
5,918,603 A	7/1999	Brown	2004/0117207 A1	6/2004	Brown
5,920,477 A	7/1999	Hoffberg et al.	2004/0117208 A1	6/2004	Brown
5,933,136 A	8/1999	Brown	2004/0117209 A1	6/2004	Brown
5,935,060 A	8/1999	Iliif	2004/0117210 A1	6/2004	Brown
5,940,801 A	8/1999	Brown			
5,941,829 A	8/1999	Saltzstein et al.			
5,945,651 A	8/1999	Chorosinski et al.			
5,951,300 A	9/1999	Brown	EP	0320749	6/1989
5,954,641 A	9/1999	Kehr et al.	EP	370599	5/1990
5,956,501 A	9/1999	Brown	EP	0461910	12/1991
5,960,403 A	9/1999	Brown	EP	508912	10/1992
5,961,446 A	10/1999	Beller et al.	EP	526166	2/1993
5,966,526 A	10/1999	Yokoi	EP	0558975	9/1993
5,971,855 A	10/1999	Ng	EP	0653718	5/1995
5,971,922 A	10/1999	Arita et al.	EP	676709	10/1995
5,983,003 A	11/1999	Lection et al.	EP	680727	11/1995
5,983,217 A	11/1999	Khosravi-Sichani et al.	EP	761160	3/1997
5,987,471 A	11/1999	Bodine et al.	EP	08131551	12/1997
5,995,969 A	11/1999	Lee et al.	EP	0251520	1/1998
5,997,476 A	12/1999	Brown	GB	2218831	11/1989
5,997,502 A	12/1999	Reilly et al.	GB	2225637	6/1990
6,001,065 A	12/1999	DeVito	JP	54005785	1/1979
6,022,315 A	2/2000	Iliif	JP	54146633	11/1979
6,022,615 A	2/2000	Rettenbacher	JP	62226278	10/1987
6,023,686 A	2/2000	Brown	JP	5155024	6/1993
6,024,281 A	2/2000	Shepley	JP	5266002	10/1993
6,029,138 A	2/2000	Khorasani et al.	JP	1995407095963	4/1995
6,032,119 A	2/2000	Brown et al.	WO	WO-8501667	4/1985
6,035,328 A	3/2000	Soukal	WO	WO-90/00367	1/1990
6,046,761 A	4/2000	Echerer	WO	WO-9109374	6/1991
6,049,794 A	4/2000	Jacobs et al.	WO	WO-93/01489	1/1993
6,050,940 A	4/2000	Braun et al.	WO	WO-9302622	2/1993
6,055,314 A	4/2000	Spies et al.	WO	WO-9416774	8/1994
6,055,487 A	4/2000	Margery et al.	WO	WO-95/09386	4/1995
6,055,506 A	4/2000	Frasca, Jr.	WO	WO-95/20199	7/1995
6,057,758 A	5/2000	Dempsey et al.	WO	WO-9522131	8/1995
6,068,615 A	5/2000	Brown et al.	WO	WO-9529447	11/1995
6,095,985 A	8/2000	Raymond et al.	WO	WO-96/07908	3/1996
6,101,478 A	8/2000	Brown	WO	WO-96/25877	8/1996
6,110,148 A	8/2000	Brown et al.	WO	WO-9636923	11/1996
6,113,578 A	9/2000	Brown	WO	WO-97/08605	3/1997
6,138,145 A	10/2000	Kawanaka	WO	WO-97/12544	4/1997
6,144,837 A	11/2000	Quy	WO	WO-9737738	10/1997
6,151,586 A	11/2000	Brown	WO	WO-98/16895	4/1998
6,161,095 A	12/2000	Brown	WO	WO-9831275	7/1998
6,167,362 A	12/2000	Brown et al.	WO	WO-9839933	9/1998
6,167,386 A	12/2000	Brown			
6,168,563 B1	1/2001	Brown			
6,177,940 B1	1/2001	Bond et al.			
6,186,145 B1	2/2001	Brown			
6,189,029 B1	2/2001	Fuerst			
D439,242 S	3/2001	Brown et al.			
6,210,272 B1	4/2001	Brown			
6,221,012 B1	4/2001	Maschke et al.			

## FOREIGN PATENT DOCUMENTS

EP	0320749	6/1989
EP	370599	5/1990
EP	0461910	12/1991
EP	508912	10/1992
EP	526166	2/1993
EP	0558975	9/1993
EP	0653718	5/1995
EP	676709	10/1995
EP	680727	11/1995
EP	761160	3/1997
EP	08131551	12/1997
EP	0251520	1/1998
GB	2218831	11/1989
GB	2225637	6/1990
JP	54005785	1/1979
JP	54146633	11/1979
JP	62226278	10/1987
JP	5155024	6/1993
JP	5266002	10/1993
JP	1995407095963	4/1995
WO	WO-8501667	4/1985
WO	WO-90/00367	1/1990
WO	WO-9109374	6/1991
WO	WO-93/01489	1/1993
WO	WO-9302622	2/1993
WO	WO-9416774	8/1994
WO	WO-95/09386	4/1995
WO	WO-95/20199	7/1995
WO	WO-9522131	8/1995
WO	WO-9529447	11/1995
WO	WO-96/07908	3/1996
WO	WO-96/25877	8/1996
WO	WO-9636923	11/1996
WO	WO-97/08605	3/1997
WO	WO-97/12544	4/1997
WO	WO-9737738	10/1997
WO	WO-98/16895	4/1998
WO	WO-9831275	7/1998
WO	WO-9839933	9/1998

## OTHER PUBLICATIONS

Adilman; "Videogames: Knowing the Score"; Creative Computing; v9; p. 224(5); Dec. 1983; Dialog: File 148, Acc# 01891055.  
 AdOptimizer—Ad Management Software For Websites, Newsbytes, pNEW10040041, Oct. 4, 1996.  
 Albisser, A.M. "Intelligent Instrumentation in Diabetic Manage-

- Anonymous, "Health Hero Network, Inc. Receives First-Ever FDA Clearance for Connecting Medical Devices to Internet", PR Newswire, (Dec. 2, 1993), 3 pages.
- Antique Collector, Putting the Lot on the Net, vol. 66, Issue 9, p. 26, Downloaded from Corporate Resource Net, Nov./Dec. 1995.
- Bai, "Design of home healthcare network", IEEE 1997 pp. 1657-1658.
- Billiard, A., et al. "Telematic Transmission of Computerized Blood Glucose Profiles for IDDM Patients", Diabetes Care, (Feb. 1991), vol. 14, No. 2, pp. 130-134.
- Blood Glucose Monitors, Portable Health Device, (1998), vol. 17(9), pp. 253-271.
- Bower, "Brain Clues to Energy-efficient Learning", Science News, (Apr. 1992), v. 141; p215(1); Dialog: File 647, Acc# 12123949.
- Brennan et al.; "Interaction of Nitric Oxide Synthase with the Postsynaptic Density Protein PSD-95 and  $\alpha 1$ -Syntrphin Mediated by PDZ Domains"; Cell; vol. 84, pp. 757-767, Mar. 8, 1996; Ref: XP-002104701.
- Bruce, "Health Hero Network CEO, CNNfn", Digital Jam, (Dec. 1, 1999), 3.
- Bruce, et al., "The Effects of Sympathetic Nervous System Activation and Psychological Stress . . .", Diabetologia; 35(9); 1992; 835-843; Dialog: File 5, Acc#9629427. (9 pages).
- Brunetti, P., et al., "A Simulation Study on a Self-Turning Portable Controller of Blood Glucose", The International Journal of Artificial Organs, (1993), vol. 16, No. 16, pp. 51-57.
- Caprihan, A., et al., "A Simple Microcomputer for Biomedical Signal Processing", IECI '78 Annual Conference Proceedings on Industrial Applications of Microprocessors, (Mar. 20, 1978), 18-23.
- Cathay Pacific Airways-USA receives more than 1,300 bids during first five days of CyberAuction; Business Wire, Oct. 18, 1995, p10181119.
- Cathay Pacific Airways-USA to Hold First-Ever Internet CyberAuction; CyberTravelers Can Bid for 50 Business Class Round Trips to Hong Kong—No Minimum Bid; Business Wire; p9261084; Sep. 26, 1995; Dialog: File 148, Acc#08167091.
- CD-ROM Mavericks: Proprietary TV-Based Players, Byte Guide to CD-ROM, pp. 100-105.
- Central Fetal Monitoring Systems with Optical Disk Storage, New Technology Brief, (Nov./Dec. 1998), vol. 2, No. 6, pp. 249-251.
- Cheng, Joe H., "PCT Search Report", (Jan. 11, 1996).
- DigiPet Instruction Manual, 1997.
- Digital Doggie; retrieved from URL <http://www.virtualpet.com/vp/farm/gigapet/ddoggie.htm> Apr. 23, 2000.
- Douglas, A.S., et al., "Hand-Held Glucose Monitor and Recorder", Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, New Orleans, LA, (Nov. 1988), pp. 747-748.
- Edelson; "Fashion Reevaluates Flickering Fortunes of TV Home Shopping"; WWD; v170 n87; p1(3); Nov. 8, 1995; Dialog: File 148, Acc#08289119.
- EP European Search Report, From 6858P005EP, (Mar. 27, 1998).
- Fabietti, P.G., et al., "Wearable System for Acquisition, Processing and Storage of the Signal from Amperometric Glucose Sensors", The International Journal of Artificial Organs, (1991), vol. 14, No. 3, pp. 175-178.
- Finston, "Parent + Teacher = Healthy Child", Diabetes Forecast, (Apr. 1994), v47 n9; P26(5); Dialog: file 149, Acc# 15804228.
- Fox, "Not My Type: Type B Behavior, Type I Diabetes Plus Stress Equals Blood Sugar Blues", Health, (Mar. 1998), v20 n3; pp22(1); Dialog: File 149, Acc# 06397959.
- Franklin; "Proposed Auction Rules for PCS: The FCC Plans to Use Competitive Bidding, but Exact Procedures are Undefined"; Cellular Business; v10 n13; p. 18(2); Dec. 1993; Dialog: File 148, Acc#06787310.
- Frieberger, Paul, "Video Game Takes on Diabetes Superhero 'Captain Novolin' Offers Treatment Tips", San Francisco Examiner, (Jun. 26, 1992), Fourth Edition, Business Section B1.
- Furnham, et al; "Measuring Locus of Control: a Critique of General Children's Health- and Work-related Locus of Control Questionnaire", Future of the Virtual Pet Industry, 1997 [retrieved on Apr. 23, 2000], Retrieved from <URL:[www.virtualpet.com/vp/future/future.htm](http://www.virtualpet.com/vp/future/future.htm)>.
- Gardner, et al.; "Comprehension and Appreciation of Humorous Material Following Brain Damage"; Brain; Sep. 1975; 98(3); pp. 399-412; Dialog: File 153, Acc#02859983. (14 pages).
- Gauntlet (for PC) rulebook by Mindscape Inc. (Gauntlet by Apple); 1985.
- Giga Farm; retrieved from URL <http://www.virtualpet.com/vp/farm/gigapet/gpfarm/gpfarm.htm> Apr. 23, 2000.
- Giga Pets, 1997 [retrieved on Apr. 23, 2000], Retrieved from <URL:[www.virtualpet.com/vp/farm/gigapet/gigapet.htm](http://www.virtualpet.com/vp/farm/gigapet/gigapet.htm)>.
- Gordon; "Auctions Become High Tech"; Dealer Business; v29 n7; p. 21(4); Mar. 1995; Dialog: File 148, Acc#07862519.
- Guiffrida, et al., Should We Pay the Patient? Review of Financial Incentives to enhance Patient Compliance;, Biomedical Journal, (1997), vol. 315, pp. 703-707.
- Hauben, Jay R., "A Brief History of the Cleveland Free-Net", available at <http://www.ais.org/~irh/acn7-1.a09.html>, (1995) pp. 1-4.
- Hauser, et al., "Will Computers Replace or Complement the Diabetes Educator?", The Medical Journal of Australia, (Oct. 5, 1992), vol. 157, 489-491.
- Horio, Hiroyuki, et al., "Clinical Telecommunication Network System for Home Monitoring", Medical & Biological Engineering & Computing, (Mar. 1994), vol. 32, 227-230.
- How Flash Memory Works, Internet printout of URL address: <http://www.howstuffworks.com/flash-memory4.htm>, (Sep. 28, 2002), 2 pages.
- Howey, et al., "A Rapidly Absorbed Analogue of Human Insulin"; Diabetes, vol. 43, Mar. 1994, pp. 396-402. (7 pages).
- Hunter, "Technological Advances in Bedside Monitoring: Biosensors", Archives and Laboratory Medicine, (Jul. 1987), pp. 633-636.
- Hutheesing, Nikhil, "An on-line gamble", Forbes, v157 n10 p. 288(1), May 20, 1996.
- Introducing the Next Generation of About Your Diabetes, U.S. Pharmacopical Convention and American Diabetes Association, (1993).
- Jaffrey et al.; "PIN: An Associated Protein Inhibitor of Neuronal Nitric Oxide Synthase"; Science; vol. 274; Nov. 1, 1996; Ref: XP 002050141.
- Jimison et al., "Patient-Specific explanation in models of chronic disease", Revised Feb. 1992 Artificial Intelligence in Medicine 4 (1992) 191-205.
- Jones, Chris, "Microsoft readies DocObject; technology will allow document editing in Web browsers", InfoWorld, v18 n18 p. 48(1), Apr. 29, 1996.
- Kauffmann, et al., "Epidemiological Study of the Genetics and Environment of Asthma, Bronchial Hyperresponsiveness and Atrophy", Am. J. Respir. Crit. Care Med., (1997), vol. 156, pp. S123-S129.
- Kaufman, Steven, B., "The Learning Game", Nation's Business, (Nov. 1993).
- Kennedy et al.; "Television Computer Games: A New Look in Performance Testing"; Aviat Space Environ Med; Jan. 1982, 53(1); pp. 49-53. (5 pages); Dialog Abstract: File 155, Acc#0353751.
- Kuykendall, V.G., et al., "Assessment of Self-Monitored Blood Glucose results Using a Reflectance Meter with Memory and Microcomputer", Symposium on Computer Applications in Medical Care, (Jan. 1981), vol. 70, pp. 98-102.
- Lachnit, Carroll, "Hawkin's Online Auction", Photo District News, vol. 16, Issue 1, p. 18, Jan. 1996.
- Lacyk, John, "PCT Search Report", (Jun. 12, 1997).
- Latman, N.S., "Evaluation of Electronic, Digital Blood Glucose Monitors", Biomedical Instrumentation and Technology, (1991), vol. 25, No. 1, 43-49.
- Leyerle, Beverly J., et al., "The PDMS as a Focal Point for Distributed Patient Data", International Journal of Clinical Monitoring and Computing, (1988), vol. 5, pp. 155-161.
- Luebke, Cathy, "Barrett-Jackson Auction Turns High-Tech", Business Journal, vol. 16, Issue 12, pp. 11, Jan. 19, 1996.
- Makikawa, M., et al., "Microprocessor-Based Memory Device for

# Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

### API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

### LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

### FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

### E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.