

EXHIBIT 4

TO COMPLAINT



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Petite et al.

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(54) **SYSTEMS AND METHODS FOR MONITORING VEHICLE PARKING**

(75) Inventors: **Thomas David Petite**, Atlanta, GA (US); **Richard M Huff**, Conyers, GA (US)

(73) Assignee: **SIPCO LLC**, Atlanta, GA (US)

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 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,665,475 A 5/1972 Gram

(Continued)

FOREIGN PATENT DOCUMENTS

CA 945277 4/1974

(Continued)

OTHER PUBLICATIONS

Nunavut et al., Web Based Remote Security System (WRSS) Model Development, IEEE, Apr. 7-9, 2000, pp. 379-382.

(Continued)

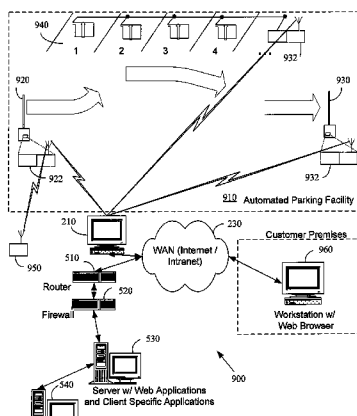
Primary Examiner — Toan N Pham

(74) *Attorney, Agent, or Firm* — Dustin B. Weeks, Esq.; Trenton A. Ward, Esq.; Troutman Sanders LLP

(57) **ABSTRACT**

Embodiments of the present invention are generally directed to systems and methods of monitoring vehicle parking. An exemplary embodiment of the present invention provides a vehicle parking monitoring system that includes a parking space sensor enabled to detect the presence of at least one vehicle in a first parking space of a first parking area and a parking area transceiver in communication with the parking space sensor, the parking area transceiver configured to receive information from the parking space sensor and transmit the information to a gateway. The parking area transceiver is also configured to receive information from the gateway. The gateway is connected to a wide area network and configured to receive information from the parking area transceiver and transmit the information to the wide area network, the gateway is also configured to receive information from the wide area network and transmit the information to the parking area transceiver. Other aspects, features, and embodiments are also claimed and described.

20 Claims, 18 Drawing Sheets



US 8,223,010 B2

Page 2

U.S. PATENT DOCUMENTS						
3,705,385	A	12/1972	Batz	4,939,726	A 7/1990	Flammer et al.
3,723,876	A	3/1973	Seaborn, Jr.	4,940,976	A 7/1990	Gastouniotis et al.
3,742,142	A	6/1973	Martin	4,949,077	A 8/1990	Mbuthia
3,768,014	A	10/1973	Smith	4,952,928	A 8/1990	Carroll et al.
3,769,965	A	11/1973	Raddi et al.	4,962,496	A 10/1990	Vercellotti et al.
3,848,231	A	11/1974	Wootton	4,967,366	A 10/1990	Kaehler
3,885,552	A	5/1975	Kennedy	4,968,970	A 11/1990	LaPorte
3,892,948	A	7/1975	Constable	4,968,978	A 11/1990	Stolarczyk
3,906,460	A	9/1975	Halpern	4,972,504	A 11/1990	Daniel, Jr. et al.
3,914,692	A	10/1975	Seaborn, Jr.	4,973,957	A 11/1990	Shimizu et al.
3,922,492	A	11/1975	Lumsden	4,973,970	A 11/1990	Reeser
3,925,763	A	12/1975	Wadhvani et al.	4,977,612	A 12/1990	Wilson
4,025,315	A	5/1977	Mazelli	4,980,907	A 12/1990	Raith et al.
4,056,684	A	11/1977	Lindstrom	4,987,536	A 1/1991	Humblet
4,058,672	A	11/1977	Crager et al.	4,989,230	A 1/1991	Gillig et al.
4,083,003	A	4/1978	Haemmig	4,991,008	A 2/1991	Nama
4,120,452	A	10/1978	Kimura et al.	4,993,059	A 2/1991	Smith et al.
4,124,839	A	11/1978	Cohen	4,998,095	A 3/1991	Shields
4,135,181	A	1/1979	Bogacki et al.	4,999,607	A 3/1991	Evans
4,204,195	A	5/1980	Bogacki	5,007,052	A 4/1991	Flammer
4,213,119	A	7/1980	Ward et al.	5,032,833	A 7/1991	Laporte
4,277,837	A	7/1981	Stuckert	5,038,372	A 8/1991	Elms et al.
4,278,975	A	7/1981	Kimura et al.	5,055,851	A 10/1991	Sheffer
4,284,852	A	8/1981	Szybicki et al.	5,057,814	A 10/1991	Onan et al.
4,322,842	A	3/1982	Martinez	5,061,997	A 10/1991	Rea et al.
4,345,116	A	8/1982	Ash et al.	5,079,768	A 1/1992	Flammer
4,354,181	A	10/1982	Spletzer	5,086,391	A 2/1992	Chambers
4,395,780	A	7/1983	Gohm et al.	5,088,032	A 2/1992	Bosack
4,396,910	A	8/1983	Enemark et al.	5,091,713	A 2/1992	Horne et al.
4,396,915	A	8/1983	Farnsworth et al.	5,111,199	A 5/1992	Tomoda et al.
4,399,531	A	8/1983	Grande et al.	5,113,183	A 5/1992	Mizuno et al.
4,406,016	A	9/1983	Abrams et al.	5,113,184	A 5/1992	Katayama
4,417,450	A	11/1983	Morgan, Jr. et al.	5,115,224	A 5/1992	Kostusiak et al.
4,436,957	A	3/1984	Mazza et al.	5,115,433	A 5/1992	Baran et al.
4,446,454	A	5/1984	Pyle	5,117,422	A 5/1992	Hauptschein et al.
4,446,458	A	5/1984	Cook	5,124,624	A 6/1992	de Vries et al.
4,454,414	A	6/1984	Benton	5,128,855	A 7/1992	Hilber et al.
4,468,656	A	8/1984	Clifford et al.	5,130,519	A 7/1992	Bush et al.
4,488,152	A	12/1984	Arnason et al.	5,130,987	A 7/1992	Flammer
4,495,496	A	1/1985	Miller, III	5,131,038	A 7/1992	Puhl et al.
4,551,719	A	11/1985	Carlin et al.	5,134,650	A 7/1992	Blackmon
4,611,198	A	9/1986	Levinson et al.	5,136,285	A 8/1992	Okuyama
4,621,263	A	11/1986	Takenaka et al.	5,138,615	A 8/1992	Lampert et al.
4,630,035	A	12/1986	Stahl et al.	5,155,481	A 10/1992	Brennan, Jr. et al.
4,631,357	A	12/1986	Grunig	5,159,317	A 10/1992	Brav
4,665,519	A	5/1987	Kirchner et al.	5,159,592	A 10/1992	Perkins
4,669,113	A	5/1987	Ash et al.	5,162,776	A 11/1992	Bushnell et al.
4,670,739	A	6/1987	Kelly, Jr.	5,170,393	A 12/1992	Peterson et al.
4,692,761	A	9/1987	Robinton	5,177,342	A 1/1993	Adams
4,704,724	A	11/1987	Krishnan et al.	5,189,287	A 2/1993	Parianti
4,707,852	A	11/1987	Jahr et al.	5,191,192	A 3/1993	Takahira et al.
4,731,810	A	3/1988	Watkins	5,191,326	A 3/1993	Montgomery
4,742,296	A	5/1988	Petr et al.	5,193,111	A 3/1993	Matty et al.
4,757,185	A	7/1988	Onishi	5,195,018	A 3/1993	Kwon et al.
4,788,721	A	11/1988	Krishnan et al.	5,197,095	A 3/1993	Bonnet et al.
4,792,946	A	12/1988	Mayo	5,200,735	A 4/1993	Hines
4,799,059	A	1/1989	Grindahl et al.	5,204,670	A 4/1993	Stinton
4,800,543	A	1/1989	Lyndon-James et al.	5,212,645	A 5/1993	Wildes et al.
4,814,763	A	3/1989	Nelson et al.	5,216,502	A 6/1993	Katz
4,825,457	A	4/1989	Lebowitz	5,221,838	A 6/1993	Gutman et al.
4,829,561	A	5/1989	Matheny	5,223,844	A 6/1993	Mansell et al.
4,849,815	A	7/1989	Streck	5,224,468	A 7/1993	Grunewald et al.
4,851,654	A	7/1989	Nitta	5,231,658	A 7/1993	Eftechiou
4,856,046	A	8/1989	Streck et al.	5,235,630	A 8/1993	Moody et al.
4,857,912	A	8/1989	Everett, Jr. et al.	5,239,294	A 8/1993	Flanders et al.
4,864,559	A	9/1989	Perlman	5,239,575	A 8/1993	White et al.
4,875,231	A	10/1989	Hara et al.	5,241,410	A 8/1993	Streck et al.
4,884,123	A	11/1989	Dixit et al.	5,243,338	A 9/1993	Brennan, Jr. et al.
4,884,132	A	11/1989	Morris et al.	5,245,633	A 9/1993	Schwartz et al.
4,897,644	A	1/1990	Hirano	5,251,205	A 10/1993	Callon et al.
4,906,828	A	3/1990	Halpern	5,252,967	A 10/1993	Brennan et al.
4,908,769	A	3/1990	Vaughan et al.	5,253,167	A 10/1993	Yoshida et al.
4,912,656	A	3/1990	Cain et al.	5,265,150	A 11/1993	Helmkamp et al.
4,918,432	A	4/1990	Pauley et al.	5,265,162	A 11/1993	Bush et al.
4,918,690	A	4/1990	Markkula, Jr. et al.	5,266,782	A 11/1993	Alanara et al.
4,918,995	A	4/1990	Pearman et al.	5,272,747	A 12/1993	Meads
				5,276,680	A 1/1994	Messenger

US 8,223,010 B2

Page 3

5,289,165	A	2/1994	Belin	5,513,244	A	4/1996	Joao et al.
5,289,362	A	2/1994	Liebl et al.	5,515,419	A	5/1996	Sheffer
5,291,516	A	3/1994	Dixon et al.	5,517,188	A	5/1996	Carroll et al.
5,295,154	A	3/1994	Meier et al.	5,522,089	A	5/1996	Kikinis et al.
5,305,370	A	4/1994	Kearns et al.	5,528,215	A	6/1996	Siu et al.
5,309,501	A	5/1994	Kozik et al.	5,528,507	A	6/1996	McNamara et al.
5,315,645	A	5/1994	Matheny	5,539,825	A	7/1996	Akiyama et al.
5,317,309	A	5/1994	Vercellotti et al.	5,541,938	A	7/1996	Di Zenzo et al.
5,319,364	A	6/1994	Waraksa et al.	5,542,100	A	7/1996	Hatakeyama
5,319,698	A	6/1994	Glidewell et al.	5,544,036	A	8/1996	Brown, Jr. et al.
5,319,711	A	6/1994	Servi	5,544,322	A	8/1996	Cheng et al.
5,321,618	A	6/1994	Gessman	5,544,784	A	8/1996	Malaspina
5,323,384	A	6/1994	Norwood et al.	5,548,632	A	8/1996	Walsh et al.
5,325,429	A	6/1994	Kurgan	5,550,358	A	8/1996	Tait et al.
5,329,394	A	7/1994	Calvani et al.	5,550,359	A	8/1996	Bennett
5,331,318	A	7/1994	Montgomery	5,550,535	A	8/1996	Park
5,334,974	A	8/1994	Simms et al.	5,553,094	A	9/1996	Johnson et al.
5,335,265	A	8/1994	Cooper et al.	5,555,258	A	9/1996	Snelling et al.
5,343,493	A	8/1994	Karimullah	5,555,286	A	9/1996	Tendler
5,344,068	A	9/1994	Haessig	5,557,320	A	9/1996	Krebs
5,345,231	A	9/1994	Koo et al.	5,557,748	A	9/1996	Norris
5,345,595	A	9/1994	Johnson et al.	5,562,537	A	10/1996	Zver et al.
5,347,263	A	9/1994	Carroll et al.	5,565,857	A	10/1996	Lee
5,352,278	A	10/1994	Korver et al.	5,568,535	A	10/1996	Sheffer et al.
5,354,974	A	10/1994	Eisenberg	5,570,084	A	10/1996	Ritter et al.
5,355,278	A	10/1994	Hosoi et al.	5,572,438	A	11/1996	Ehlers et al.
5,355,513	A	10/1994	Clarke et al.	5,572,528	A	11/1996	Shuen
5,365,217	A	11/1994	Toner	5,573,181	A	11/1996	Ahmed
5,371,736	A	12/1994	Evan	5,574,111	A	11/1996	Brichta et al.
5,382,778	A	1/1995	Takahira et al.	5,583,850	A	12/1996	Snodgrass et al.
5,383,134	A	1/1995	Wrzesinski	5,583,914	A	12/1996	Chang et al.
5,383,187	A	1/1995	Vardakas et al.	5,587,705	A	12/1996	Morris
5,390,206	A	2/1995	Rein et al.	5,588,005	A	12/1996	Ali et al.
5,406,619	A	4/1995	Akhteruzzaman et al.	5,589,878	A	12/1996	Cortjens et al.
5,412,192	A	5/1995	Hoss	5,590,038	A	12/1996	Pitroda
5,412,654	A	5/1995	Perkins	5,590,179	A	12/1996	Shincovich et al.
5,412,760	A	5/1995	Peitz	5,592,491	A	1/1997	Dinkins
5,414,624	A *	5/1995	Anthonyson 701/1	5,594,431	A	1/1997	Sheppard et al.
5,416,475	A	5/1995	Tolbert et al.	5,596,719	A	1/1997	Ramakrishnan et al.
5,416,725	A	5/1995	Pacheco et al.	5,596,722	A	1/1997	Rahnema
5,418,812	A	5/1995	Reyes et al.	5,602,843	A	2/1997	Gray
5,420,910	A	5/1995	Rudokas et al.	5,604,414	A	2/1997	Milligan et al.
5,424,708	A	6/1995	Ballesty et al.	5,604,869	A	2/1997	Mincher et al.
5,430,729	A	7/1995	Rahnema	5,606,361	A	2/1997	Davidsohn et al.
5,432,507	A	7/1995	Mussino et al.	5,608,721	A	3/1997	Natarajan et al.
5,432,508	A *	7/1995	Jackson 340/932.2	5,608,786	A	3/1997	Gordon
5,438,329	A	8/1995	Gastouniotis et al.	5,613,620	A	3/1997	Center et al.
5,439,414	A	8/1995	Jacob	5,615,227	A	3/1997	Schumacher, Jr. et al.
5,440,545	A	8/1995	Buchholz et al.	5,615,277	A	3/1997	Hoffman
5,442,553	A	8/1995	Parrillo	5,617,084	A	4/1997	Sears
5,442,633	A	8/1995	Perkins et al.	5,619,192	A	4/1997	Ayala
5,445,287	A	8/1995	Center et al.	5,623,495	A	4/1997	Eng et al.
5,445,347	A	8/1995	Ng	5,625,410	A	4/1997	Washino et al.
5,448,230	A	9/1995	Schanker et al.	5,628,050	A	5/1997	McGraw et al.
5,451,929	A	9/1995	Adelman et al.	5,629,687	A	5/1997	Sutton et al.
5,451,938	A	9/1995	Brennan, Jr.	5,629,875	A	5/1997	Adair, Jr.
5,452,344	A	9/1995	Larson	5,630,209	A	5/1997	Wizgall et al.
5,454,024	A	9/1995	Lebowitz	5,631,554	A	5/1997	Briese et al.
5,455,569	A	10/1995	Sherman et al.	5,636,216	A	6/1997	Fox et al.
5,465,401	A	11/1995	Thompson	5,640,002	A	6/1997	Ruppert et al.
5,467,074	A	11/1995	Pedtke	5,644,294	A	7/1997	Ness
5,467,082	A	11/1995	Sanderson	5,655,219	A	8/1997	Jusa et al.
5,467,345	A	11/1995	Cutler, Jr. et al.	5,657,389	A	8/1997	Houvener
5,468,948	A	11/1995	Koenck et al.	5,659,300	A	8/1997	Dresselhuys et al.
5,471,201	A	11/1995	Cerami et al.	5,659,303	A	8/1997	Adair, Jr.
5,473,322	A	12/1995	Carney	5,668,876	A	9/1997	Falk et al.
5,475,689	A	12/1995	Kay et al.	5,673,252	A	9/1997	Johnson et al.
5,479,400	A	12/1995	Dilworth et al.	5,673,259	A	9/1997	Quick, Jr.
5,481,259	A	1/1996	Bane	5,673,304	A	9/1997	Connor et al.
5,481,532	A	1/1996	Hassan et al.	5,673,305	A	9/1997	Ross
5,484,997	A	1/1996	Haynes	5,682,139	A	10/1997	Pradeep et al.
5,488,608	A	1/1996	Flammer, III	5,682,476	A	10/1997	Tapperson et al.
5,493,273	A	2/1996	Smurlo et al.	5,689,229	A	11/1997	Chaco et al.
5,493,287	A	2/1996	Bane	5,691,980	A	11/1997	Welles, II et al.
5,502,726	A	3/1996	Fischer	5,696,695	A	12/1997	Ehlers et al.
5,504,746	A	4/1996	Meier	5,699,328	A	12/1997	Ishizaki et al.
5,506,837	A	4/1996	Sollner et al.	5,701,002	A	12/1997	Oishi et al.

US 8,223,010 B2

Page 4

5,704,517	A	1/1998	Lancaster, Jr.	5,889,468	A	3/1999	Banga	
5,706,191	A	1/1998	Bassett et al.	5,892,690	A	4/1999	Boatman et al.	
5,706,976	A	1/1998	Purkey	5,892,758	A	4/1999	Argyroudis	
5,708,223	A	1/1998	Wyss	5,892,924	A	4/1999	Lyon et al.	
5,708,655	A	1/1998	Toth et al.	5,896,097	A	4/1999	Cardozo	
5,712,619	A	1/1998	Simkin	5,897,607	A	4/1999	Jenney et al.	
5,712,980	A	1/1998	Beeler et al.	5,898,369	A	4/1999	Godwin	
5,714,931	A	2/1998	Petite et al.	5,898,733	A	4/1999	Satyanarayana	
5,717,718	A	2/1998	RowSELL et al.	5,905,438	A	5/1999	Weiss et al.	
5,719,564	A	2/1998	Sears	5,905,442	A	5/1999	Mosebrook et al.	
5,722,076	A	2/1998	Sakabe et al.	5,907,291	A	5/1999	Chen et al.	
5,726,534	A	3/1998	Seo	5,907,491	A	5/1999	Canada et al.	
5,726,544	A	3/1998	Lee	5,907,540	A	5/1999	Hayashi	
5,726,634	A	3/1998	Hess et al.	5,907,807	A	5/1999	Chavez, Jr. et al.	
5,726,644	A	3/1998	Jednacz et al.	5,909,429	A	6/1999	Satyanarayana et al.	
5,726,984	A	3/1998	Kubler et al.	5,914,656	A	6/1999	Ojala et al.	
5,732,074	A	3/1998	Spaur et al.	5,914,672	A	6/1999	Glorioso et al.	
5,732,078	A	3/1998	Arango	5,914,673	A	6/1999	Jennings et al.	
5,736,965	A	4/1998	Mosebrook et al.	5,917,405	A	6/1999	Joao	
5,737,318	A	4/1998	Melnik	5,917,629	A	6/1999	Hortensius et al.	
5,740,232	A	4/1998	Pailles et al.	5,923,269	A	7/1999	Shuey et al.	
5,740,366	A	4/1998	Mahany et al.	5,926,101	A	7/1999	Dasgupta	
5,742,509	A	4/1998	Goldberg et al.	5,926,103	A	7/1999	Petite	
5,745,849	A	4/1998	Britton	5,926,529	A	7/1999	Hache et al.	
5,748,104	A	5/1998	Argyroudis et al.	5,926,531	A	7/1999	Petite	
5,748,619	A	5/1998	Meier	5,933,073	A	8/1999	Shuey	
5,754,111	A	5/1998	Garcia	5,940,481	A *	8/1999	Zeitman	705/13
5,754,227	A	5/1998	Fukuoka	5,940,771	A	8/1999	Gollnick et al.	
5,757,783	A	5/1998	Eng et al.	5,941,363	A	8/1999	Partyka et al.	
5,757,788	A	5/1998	Tatsumi et al.	5,941,955	A	8/1999	Wilby et al.	
5,760,742	A	6/1998	Branch et al.	5,946,631	A	8/1999	Melnik	
5,761,083	A	6/1998	Brown, Jr. et al.	5,948,040	A	9/1999	DeLorme et al.	
5,764,742	A	6/1998	Howard et al.	5,949,779	A	9/1999	Mostafa et al.	
5,767,791	A	6/1998	Stoop et al.	5,949,799	A	9/1999	Grivna et al.	
5,771,274	A	6/1998	Harris	5,953,319	A	9/1999	Dutta et al.	
5,774,052	A	6/1998	Hamm et al.	5,953,371	A	9/1999	RowSELL et al.	
5,781,143	A	7/1998	Rossin	5,953,507	A	9/1999	Cheung et al.	
5,790,644	A	8/1998	Kikinis	5,955,718	A	9/1999	Levasseur et al.	
5,790,662	A	8/1998	Valerij et al.	5,957,718	A	9/1999	Cheng et al.	
5,790,938	A	8/1998	Talarmo	5,960,074	A	9/1999	Clark	
5,796,727	A	8/1998	Harrison et al.	5,963,146	A	10/1999	Johnson et al.	
5,798,964	A	8/1998	Shimizu et al.	5,963,452	A	10/1999	Etoh et al.	
5,801,643	A	9/1998	Williams et al.	5,963,650	A	10/1999	Simionescu et al.	
5,812,531	A	9/1998	Cheung et al.	5,966,658	A	10/1999	Kennedy, III et al.	
5,815,505	A	9/1998	Mills	5,969,608	A	10/1999	Sojdehei et al.	
5,818,822	A	10/1998	Thomas et al.	5,973,756	A	10/1999	Erlin	
5,822,273	A	10/1998	Bary et al.	5,974,236	A	10/1999	Sherman	
5,822,309	A	10/1998	Ayanoglu et al.	5,978,364	A	11/1999	Melnik	
5,822,544	A	10/1998	Chaco et al.	5,978,371	A	11/1999	Mason, Jr. et al.	
5,825,772	A	10/1998	Dobbins et al.	5,978,578	A	11/1999	Azarya et al.	
5,826,195	A	10/1998	Westerlage et al.	5,986,574	A	11/1999	Colton	
5,828,044	A	10/1998	Jun et al.	5,987,011	A	11/1999	Toh	
5,832,057	A	11/1998	Furman	5,987,331	A	11/1999	Grube et al.	
5,838,223	A	11/1998	Gallant et al.	5,987,421	A	11/1999	Chuang	
5,838,237	A	11/1998	Revell et al.	5,991,625	A	11/1999	Vanderpool	
5,838,812	A	11/1998	Pare, Jr. et al.	5,991,639	A	11/1999	Rautiola et al.	
5,841,118	A	11/1998	East et al.	5,994,892	A	11/1999	Turino et al.	
5,841,764	A	11/1998	Roderique et al.	5,995,022	A	11/1999	Plis et al.	
5,842,976	A	12/1998	Williamson	5,995,592	A	11/1999	Shirai et al.	
5,844,808	A	12/1998	Konsmo et al.	5,995,593	A	11/1999	Cho	
5,845,230	A	12/1998	Lamberson	5,997,170	A	12/1999	Brodbeck	
5,848,054	A	12/1998	Mosebrook et al.	5,999,094	A	12/1999	Nilssen	
5,852,658	A	12/1998	Knight et al.	6,005,759	A	12/1999	Hart et al.	
5,854,994	A	12/1998	Canada et al.	6,005,884	A	12/1999	Cook et al.	
5,856,974	A	1/1999	Gervais et al.	6,005,963	A	12/1999	Bolle et al.	
5,862,201	A	1/1999	Sands	6,018,659	A	1/2000	Ayyagari et al.	
5,864,772	A	1/1999	Alvarado et al.	6,021,664	A	2/2000	Granato et al.	
5,867,688	A	2/1999	Donahue	6,023,223	A	2/2000	Baxter, Jr.	
5,870,686	A	2/1999	Monson	6,026,095	A	2/2000	Sherer et al.	
5,872,773	A	2/1999	Katzela et al.	6,028,522	A	2/2000	Petite	
5,873,043	A	2/1999	Comer	6,028,857	A	2/2000	Poor	
5,874,903	A	2/1999	Shuey et al.	6,031,455	A	2/2000	Grube et al.	
5,875,185	A	2/1999	Wang et al.	6,032,197	A	2/2000	Birdwell et al.	
5,880,677	A	3/1999	Lestician	6,035,213	A	3/2000	Tokuda et al.	
5,883,884	A	3/1999	Atkinson	6,035,266	A	3/2000	Williams et al.	
5,883,886	A	3/1999	Eaton et al.	6,036,086	A	3/2000	Sizer, II et al.	
5,884,184	A	3/1999	Sheffer	6,037,880	A *	3/2000	Manion	340/932.2

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