

# **EXHIBIT 7**

# **TO COMPLAINT**

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**Petite**

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(54) **WIRELESS COMMUNICATION NETWORKS FOR PROVIDING REMOTE MONITORING OF DEVICES**

FOREIGN PATENT DOCUMENTS

EP 0718954 6/1996

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(Continued)

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OTHER PUBLICATIONS

"Part15.1: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANS)", Jun. 14, 2002, IEEE, www.ieee802.org/15/Bluetooth/802-15-1\_Clause\_05.pdf.\*

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 716 days.

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**Related U.S. Application Data**

(57) **ABSTRACT**

(63) Continuation-in-part of application No. 09/812,809, filed on Mar. 20, 2001, now abandoned, which is a continuation-in-part of application No. 09/412,895, filed on Oct. 5, 1999, now Pat. No. 6,218,953, which is a continuation-in-part of application No. 09/172,554, filed on Oct. 14, 1998, now Pat. No. 6,028,522, and a continuation-in-part of application No. 09/271,517, filed on Mar. 18, 1999, now abandoned, and a continuation-in-part of application No. 09/439,059, filed on Nov. 12, 1999, now Pat. No. 6,437,692.

Wireless communication networks for monitoring and controlling a plurality of remote devices are provided. Briefly, one embodiment of a wireless communication network may comprise a plurality of wireless transceivers having unique identifiers. Each of the plurality of wireless transceivers may be configured to receive a sensor data signal from one of the plurality of remote devices and transmit an original data message using a predefined wireless communication protocol. The original data message may comprise the corresponding unique identifier and sensor data signal. Each of the plurality of wireless transceivers may be configured to receive the original data message transmitted by one of the other wireless transceivers and transmit a repeated data message using the predefined communication protocol. The repeated data message may include the sensor data signal and the corresponding unique identifier. Furthermore, at least one of the plurality of wireless transceivers may be further configured to provide the original data messages and the repeated data messages to a site controller connected to a wide area network. The site controller may be configured to manage communications between the wireless communication network and a host computer connected to the wide area network.

(51) **Int. Cl.**

**G06F 15/00** (2006.01)

(52) **U.S. Cl.** ..... **702/188**; 340/870.06; 455/423

(58) **Field of Classification Search** ..... 702/188, 702/57; 315/133-134, 139, 149; 340/870.01, 340/870.06, 870.07, 870.16; 455/73, 403, 455/422-423

See application file for complete search history.

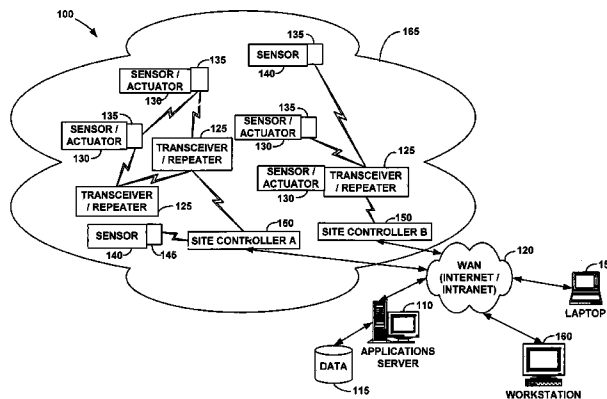
(56) **References Cited**

U.S. PATENT DOCUMENTS

3,665,475 A 5/1972 Gram

(Continued)

**29 Claims, 10 Drawing Sheets**



## US 7,103,511 B2

Page 2

U.S. PATENT DOCUMENTS					
			5,038,372 A	8/1991	Elms et al. .... 379/94
3,705,385 A	12/1972	Batz	5,055,851 A	10/1991	Sheffler
3,723,876 A	3/1973	Seaborn, Jr.	5,057,814 A	10/1991	Onan et al. .... 340/458
3,742,142 A	6/1973	Martin	5,061,997 A	10/1991	Rea et al. .... 358/108
3,848,231 A	11/1974	Wooten	5,086,391 A	2/1992	Chambers
3,892,948 A	7/1975	Constable	5,091,713 A	2/1992	Horne et al. .... 340/541
3,906,460 A	9/1975	Halpern ..... 340/172.5	5,111,199 A	5/1992	Tomoda et al. .... 340/825.72
3,914,692 A	10/1975	Seaborn, Jr.	5,113,183 A	5/1992	Mizuno et al. .... 340/825.31
3,922,492 A	11/1975	Lumsden	5,113,184 A	5/1992	Katayama ..... 340/825.54
3,925,763 A	12/1975	Wadwhani et al.	5,115,224 A	5/1992	Kostusiak et al.
4,025,315 A	5/1977	Mazelli ..... 44/52	5,115,433 A	5/1992	Baran et al.
4,056,684 A	11/1977	Lindstrom	5,124,624 A	6/1992	de Vries et al.
4,083,003 A	4/1978	Haemmig	5,128,855 A	7/1992	Hilber et al.
4,120,452 A	10/1978	Kimura et al.	5,130,519 A	7/1992	Bush et al. .... 235/380
4,124,839 A	11/1978	Cohen	5,131,038 A	7/1992	Puhl et al.
4,135,181 A	1/1979	Bogacki et al.	5,134,650 A	7/1992	Blackmon
4,204,195 A	5/1980	Bogacki	5,136,285 A	8/1992	Okuyama
4,213,119 A	7/1980	Ward et al.	5,155,481 A	10/1992	Brennan, Jr. et al.
4,277,837 A	7/1981	Stuckert	5,159,317 A	10/1992	Brav
4,354,181 A	10/1982	Spletzer ..... 340/642	5,162,776 A	11/1992	Bushnell et al.
4,396,910 A	8/1983	Enemark et al.	5,177,342 A	1/1993	Adams
4,396,915 A	8/1983	Farnsworth et al.	5,189,287 A	2/1993	Parienti
4,417,450 A	11/1983	Morgan, Jr. et al.	5,191,192 A	3/1993	Takahira et al. .... 235/375
4,436,957 A	3/1984	Mazza	5,191,326 A	3/1993	Montgomery
4,446,454 A	5/1984	Pyle	5,193,111 A	3/1993	Matty et al.
4,454,414 A	6/1984	Benton	5,195,018 A	3/1993	Kwon et al.
4,468,656 A	8/1984	Clifford et al.	5,197,095 A	3/1993	Bonnet et al.
4,488,152 A	12/1984	Arnason et al.	5,200,735 A	4/1993	Hines ..... 340/539
4,495,496 A	1/1985	Miller, III	5,204,670 A	4/1993	Stinton
4,551,719 A *	11/1985	Carlin et al. .... 340/825.36	5,212,645 A	5/1993	Wildes et al. .... 364/463
4,605,844 A	8/1986	Haggan ..... 235/380	5,216,502 A	6/1993	Katz ..... 358/108
4,611,198 A	9/1986	Levinson et al.	5,221,838 A	6/1993	Gutman et al.
4,621,263 A	11/1986	Takenaka et al.	5,223,844 A	6/1993	Mansell et al.
4,630,035 A	12/1986	Stahl et al. .... 340/539	5,231,658 A	7/1993	Eftechiou
4,631,357 A	12/1986	Grunig	5,235,630 A	8/1993	Moody et al. .... 379/37
4,670,739 A	6/1987	Kelly, Jr.	5,239,575 A	8/1993	White et al.
4,707,852 A	11/1987	Jahr et al.	5,241,410 A	8/1993	Streck et al.
4,731,810 A	3/1988	Watkins	5,243,338 A	9/1993	Brennan, Jr. et al. ... 340/870.02
4,742,296 A	5/1988	Petr et al.	5,245,633 A	9/1993	Schwartz et al.
4,757,185 A	7/1988	Onishi ..... 235/379	5,252,967 A	10/1993	Brennan et al.
4,800,543 A	1/1989	Lyndon-James et al. .... 368/10	5,253,167 A	10/1993	Yoshida et al. .... 364/408
4,825,457 A	4/1989	Lebowitz	5,265,150 A	11/1993	Heimkamp et al.
4,829,561 A	5/1989	Matheny	5,265,162 A	11/1993	Bush et al. .... 380/24
4,849,815 A	7/1989	Streck	5,266,782 A	11/1993	Alanara et al.
4,851,654 A	7/1989	Nitta ..... 235/492	5,272,747 A	12/1993	Meads
4,856,046 A	8/1989	Steck et al.	5,282,204 A	1/1994	Shpancer et al.
4,857,912 A	8/1989	Everett, Jr. et al. .... 340/825.3	5,282,250 A	1/1994	Dent et al.
4,875,231 A	10/1989	Hara et al.	5,289,165 A	2/1994	Belin
4,884,132 A	11/1989	Morris et al.	5,295,154 A	3/1994	Meier et al.
4,897,644 A	1/1990	Hirano ..... 340/825.31	5,305,370 A	4/1994	Kearns et al. .... 379/45
4,906,828 A	3/1990	Halpern ..... 235/379	5,315,645 A	5/1994	Matheny
4,908,769 A	3/1990	Vaughan et al.	5,317,309 A	5/1994	Vercellotti et al. .... 340/825.54
4,918,690 A	4/1990	Markkula, Jr. et al.	5,319,364 A	6/1994	Waraksa et al. .... 340/825.72
4,918,995 A	4/1990	Pearman et al.	5,319,698 A	6/1994	Glidewell et al. .... 379/39
4,928,299 A	5/1990	Tansky et al.	5,319,711 A	6/1994	Servi ..... 380/23
4,940,976 A	7/1990	Gastouniotis et al.	5,323,384 A	6/1994	Norwood et al.
4,949,077 A	8/1990	Mbuthia	5,325,429 A	6/1994	Kurgan
4,952,928 A	8/1990	Carroll et al.	5,331,318 A	7/1994	Montgomery
4,962,496 A	10/1990	Vercellotti et al.	5,334,974 A	8/1994	Simms et al.
4,967,366 A	10/1990	Kaehler	5,343,493 A	8/1994	Karimullah
4,968,970 A	11/1990	LaPorte	5,345,231 A	9/1994	Koo et al. .... 340/870.31
4,968,978 A *	11/1990	Stolarczyk ..... 340/854.6	5,347,263 A	9/1994	Carroll et al. .... 340/572
4,972,504 A	11/1990	Daniel, Jr. et al.	5,354,974 A	10/1994	Eisenberg ..... 235/379
4,973,957 A	11/1990	Shimizu et al.	5,355,513 A	10/1994	Clarke et al.
4,973,970 A	11/1990	Reeser	5,365,217 A	11/1994	Toner
4,977,612 A	12/1990	Wilson	5,371,736 A	12/1994	Evan
4,980,907 A	12/1990	Raith et al.	5,382,778 A	1/1995	Takahira et al. .... 235/380
4,989,230 A	1/1991	Gillig et al.	5,383,134 A	1/1995	Wrzesinski
4,991,008 A	2/1991	Nama ..... 358/108	5,406,619 A	4/1995	Akhteruzzman et al.
4,998,095 A	3/1991	Shields	5,412,192 A	5/1995	Hoss
			5,412,760 A	5/1995	Peitz

## US 7,103,511 B2

Page 3

5,418,812 A	5/1995	Reyes et al.	5,673,252 A	9/1997	Johnson et al.
5,424,708 A	6/1995	Ballesty et al.	5,673,304 A	9/1997	Connor et al.
5,432,507 A	7/1995	Mussino et al.	5,673,305 A	9/1997	Ross
5,438,329 A	8/1995	Gastouniotis et al.	5,682,139 A	10/1997	Pradeep et al. .... 340/539
5,439,414 A	8/1995	Jacob	5,682,476 A	10/1997	Tapperson et al.
5,442,553 A	8/1995	Parrillo	5,689,229 A	11/1997	Chaco et al. .... 340/286.07
5,445,287 A	8/1995	Center et al.	5,699,328 A	12/1997	Ishizaki et al.
5,451,929 A	9/1995	Adelman et al.	5,701,002 A	12/1997	Oishi et al.
5,451,938 A	9/1995	Brennan, Jr. .... 340/870.14	5,704,046 A	12/1997	Hogan
5,452,344 A	9/1995	Larson ..... 379/107	5,704,517 A	1/1998	Lancaster, Jr.
5,465,401 A	11/1995	Thompson	5,706,191 A	1/1998	Bassett et al.
5,467,074 A	11/1995	Pedtko	5,706,976 A	1/1998	Purkey
5,467,082 A	11/1995	Sanderson ..... 340/825.54	5,708,223 A	1/1998	Wyss
5,467,345 A	11/1995	Cutler et al.	5,708,655 A	1/1998	Toth
5,468,948 A	11/1995	Koenck et al.	5,712,619 A	1/1998	Simkin
5,471,201 A	11/1995	Cerami et al. .... 340/641	5,712,980 A	1/1998	Beeler et al.
5,473,322 A	12/1995	Carney	5,714,931 A	2/1998	Petite et al.
5,475,689 A	12/1995	Kay et al.	5,717,718 A	2/1998	Roswell et al.
5,481,259 A	1/1996	Bane	5,726,634 A	3/1998	Hess et al.
5,484,997 A	1/1996	Haynes ..... 235/492	5,726,984 A	3/1998	Kubler et al. .... 370/349
5,493,273 A	2/1996	Smurlo et al.	5,732,074 A	3/1998	Spaur et al.
5,493,287 A	2/1996	Bane	5,732,078 A	3/1998	Arango
5,506,837 A	4/1996	Sollner et al.	5,736,965 A	4/1998	Mosebrook et al. .... 343/702
5,509,073 A	4/1996	Monnin	5,740,232 A	4/1998	Pailles et al.
5,513,244 A	4/1996	Joao et al.	5,742,509 A	4/1998	Goldberg et al. .... 364/449.5
5,515,419 A	5/1996	Sheffer ..... 379/58	5,745,849 A	4/1998	Britton
5,517,188 A	5/1996	Carroll et al. .... 340/825.54	5,748,104 A	5/1998	Argyroudis et al.
5,522,089 A	5/1996	Kikinis et al.	5,748,619 A	5/1998	Meier
5,528,215 A	6/1996	Siu et al.	5,754,111 A	5/1998	Garcia ..... 340/573
5,539,825 A	7/1996	Akiyama et al.	5,754,227 A	5/1998	Fukuoka ..... 348/232
5,541,938 A	7/1996	Di Zenzo et al.	5,757,783 A	5/1998	Eng et al.
5,542,100 A	7/1996	Hatakeyama	5,757,788 A	5/1998	Tatsumi et al.
5,544,036 A	8/1996	Brown, Jr. et al.	5,761,083 A	6/1998	Brown, Jr. et al.
5,544,784 A	8/1996	Malaspina ..... 221/135	5,764,742 A	6/1998	Howard et al.
5,548,632 A	8/1996	Walsh et al. .... 379/58	5,771,274 A	6/1998	Harris
5,550,358 A	8/1996	Tait et al.	5,774,052 A	6/1998	Hamm et al. .... 340/540
5,550,359 A	8/1996	Bennett ..... 235/382	5,781,143 A	7/1998	Rossin
5,550,535 A	8/1996	Park ..... 340/825.44	5,790,644 A	8/1998	Kikinis
5,553,094 A	9/1996	Johnson et al. .... 375/200	5,790,662 A	8/1998	Valerij et al.
5,555,258 A	9/1996	Snelling et al.	5,790,938 A	8/1998	Talarmo
5,555,286 A	9/1996	Tendler	5,796,727 A	8/1998	Harrison et al.
5,562,537 A	10/1996	Zver et al.	5,798,964 A	8/1998	Shimizu et al.
5,565,857 A	10/1996	Lee ..... 340/825.34	5,801,643 A	9/1998	Williams et al.
5,572,438 A	11/1996	Ehlers et al.	5,815,505 A	9/1998	Mills
5,573,181 A	11/1996	Ahmed	5,818,822 A	10/1998	Thomas et al.
5,574,111 A	11/1996	Brichta et al.	5,822,273 A	10/1998	Bary et al.
5,583,850 A	12/1996	Snodgrass et al.	5,822,544 A	10/1998	Chaco et al. .... 395/202
5,587,705 A	12/1996	Morris	5,826,195 A	10/1998	Westerlage et al.
5,589,878 A	12/1996	Cortjens et al. .... 348/211	5,828,044 A	10/1998	Jun et al.
5,590,038 A	12/1996	Pitroda	5,832,057 A	11/1998	Furman
5,590,179 A	12/1996	Shincovich et al. .... 379/107	5,838,223 A	11/1998	Gallant et al. .... 340/286.07
5,592,491 A	1/1997	Dinks	5,838,237 A	11/1998	Revell et al. .... 340/573
5,594,431 A	1/1997	Sheppard et al.	5,838,812 A	11/1998	Pare, Jr. et al.
5,602,843 A	2/1997	Gray	5,841,118 A	11/1998	East et al.
5,604,414 A	2/1997	Milligan et al.	5,841,764 A	11/1998	Roderique et al.
5,604,869 A	2/1997	Mincher et al.	5,842,976 A	12/1998	Williamson
5,606,361 A	2/1997	Davidsohn et al.	5,844,808 A	12/1998	Konsmo et al.
5,608,786 A	3/1997	Gordon	5,845,230 A	12/1998	Lamberson ..... 702/56
5,613,620 A	3/1997	Center et al.	5,852,658 A	12/1998	Knight et al.
5,615,277 A	3/1997	Hoffman	5,854,994 A	12/1998	Canada et al.
5,619,192 A	4/1997	Ayala ..... 340/870.02	5,862,201 A	1/1999	Sands
5,625,410 A	4/1997	Washino et al.	5,864,772 A	1/1999	Alvarado et al.
5,628,050 A	5/1997	McGraw et al.	5,873,043 A	2/1999	Comer
5,629,687 A	5/1997	Sutton et al.	5,874,903 A	2/1999	Shuey et al. .... 340/870.02
5,629,875 A	5/1997	Adair, Jr.	5,880,677 A	3/1999	Lestician ..... 340/825.06
5,630,209 A	5/1997	Wizgall et al. .... 455/66	5,884,184 A	3/1999	Sheffer
5,631,554 A	5/1997	Briese et al. .... 324/76.77	5,884,271 A	3/1999	Pitroda
5,644,294 A	7/1997	Ness	5,886,333 A	3/1999	Miyake
5,655,219 A	8/1997	Jusa et al. .... 370/338	5,889,468 A	3/1999	Banga
5,657,389 A	8/1997	Houvener	5,892,690 A	4/1999	Boatman et al.
5,659,300 A	8/1997	Dresselhuys et al. .. 340/870.02	5,892,758 A	4/1999	Argyroudis

## US 7,103,511 B2

Page 4

5,897,607	A	4/1999	Jenney et al. ....	702/62	6,130,622	A	10/2000	Hussey et al.	
5,898,369	A	4/1999	Godwin		6,133,850	A	10/2000	Moore	
5,905,438	A	5/1999	Weiss et al.		6,137,423	A	10/2000	Glorioso et al.	
5,907,291	A	5/1999	Chen et al.		6,140,975	A	10/2000	Cohen	
5,907,491	A *	5/1999	Canada et al. ....	700/108	6,141,347	A *	10/2000	Shaughnessy et al. ....	370/390
5,907,540	A	5/1999	Hayashi		6,150,936	A	11/2000	Addy	
5,907,807	A	5/1999	Chavez, Jr. et al.		6,150,955	A	11/2000	Tracy et al.	
5,914,672	A	6/1999	Glorioso et al.		6,157,464	A	12/2000	Bloomfield et al. ....	358/407
5,914,673	A	6/1999	Jennings et al. ....	340/870.03	6,157,824	A	12/2000	Bailey	
5,917,405	A	6/1999	Joao .....	340/426	6,163,276	A	12/2000	Irving et al.	
5,917,629	A	6/1999	Hortensius et al. ....	359/136	6,172,616	B1	1/2001	Johnson et al.	
5,923,269	A	7/1999	Shuey et al.		6,174,205	B1	1/2001	Madsen et al. ....	439/638
5,926,103	A	7/1999	Petite		6,175,922	B1	1/2001	Wang	
5,926,529	A	7/1999	Hache et al.		6,177,883	B1	1/2001	Jennetti et al.	
5,926,531	A	7/1999	Petite		6,181,255	B1	1/2001	Crimmins et al.	
5,933,073	A	8/1999	Shuey		6,181,284	B1	1/2001	Madsen et al. ....	343/702
5,941,363	A	8/1999	Partyka et al.		6,181,981	B1	1/2001	Varga et al. ....	700/236
5,948,040	A	9/1999	DeLorme et al.		6,188,354	B1	2/2001	Soliman et al. ....	342/387
5,949,779	A	9/1999	Mostafa et al.		6,192,390	B1	2/2001	Berger et al.	
5,949,799	A	9/1999	Grivna et al.		6,198,390	B1 *	3/2001	Schlager et al. ....	340/540
5,953,371	A	9/1999	Roswell et al.		6,199,068	B1	3/2001	Carpenter	
5,955,718	A	9/1999	Levasseur et al.		6,208,266	B1	3/2001	Lyons et al.	
5,960,074	A	9/1999	Clark		6,215,404	B1	4/2001	Morales	
5,963,146	A	10/1999	Johnson et al.		6,218,953	B1	4/2001	Petite .....	340/641
5,963,452	A	10/1999	Etoh et al. ....	364/479.06	6,218,983	B1	4/2001	Kerry et al.	
5,963,650	A	10/1999	Simionescu et al. ....	380/49	6,219,409	B1	4/2001	Smith et al.	
5,969,608	A	10/1999	Sojdehei et al. ....	340/551	6,229,439	B1	5/2001	Tice	
5,973,756	A	10/1999	Erlin		6,233,327	B1	5/2001	Petite .....	379/155
5,978,364	A	11/1999	Melnik		6,234,111	B1	5/2001	Ulman et al.	
5,978,371	A	11/1999	Mason, Jr. et al. ....	370/389	6,236,332	B1	5/2001	Conkright et al.	
5,986,574	A	11/1999	Colton		6,243,010	B1	6/2001	Addy et al.	
5,987,421	A	11/1999	Chuang		6,246,677	B1	6/2001	Nap et al. ....	370/346
5,991,639	A	11/1999	Rautiola et al.		6,249,516	B1	6/2001	Brownrigg et al.	
5,994,892	A	11/1999	Turino et al.		6,259,369	B1	7/2001	Monico	
5,995,592	A	11/1999	Shirai et al.		6,286,756	B1	9/2001	Stinson et al.	
5,995,593	A	11/1999	Cho		6,288,634	B1	9/2001	Weiss et al.	
5,997,170	A	12/1999	Brodbeck		6,288,641	B1 *	9/2001	Casais .....	340/539
5,999,094	A	12/1999	Nilssen		6,295,291	B1	9/2001	Larkins	
6,005,759	A	12/1999	Hart et al.		6,301,514	B1	10/2001	Canada et al.	
6,005,963	A	12/1999	Bolle et al.		6,305,602	B1	10/2001	Grabowski et al.	
6,021,664	A	2/2000	Granato et al.		6,308,111	B1	10/2001	Koga	
6,023,223	A	2/2000	Baxter, Jr. ....	340/531	6,311,167	B1	10/2001	Davis et al.	
6,028,522	A	2/2000	Petite .....	340/641	6,314,169	B1	11/2001	Schelberg, Jr. et al. ..	379/93.12
6,028,857	A	2/2000	Poor		6,317,029	B1	11/2001	Fleeter	
6,031,455	A	2/2000	Grube et al.		6,334,117	B1	12/2001	Covert et al.	
6,032,197	A	2/2000	Birdwell et al. ....	709/247	6,351,223	B1	2/2002	DeWeerd et al.	
6,035,266	A	3/2000	Williams et al.		6,356,205	B1	3/2002	Salvo et al.	
6,036,086	A	3/2000	Sizer, II et al.		6,357,034	B1	3/2002	Muller et al. ....	714/484
6,038,491	A	3/2000	McGarry et al. ....	700/231	6,362,745	B1	3/2002	Davis	
6,044,062	A	3/2000	Brownrigg et al.		6,363,057	B1	3/2002	Ardalan et al. ....	370/252
6,054,920	A	4/2000	Smith et al.		6,366,217	B1	4/2002	Cunningham et al. .	340/870.31
6,060,994	A	5/2000	Chen .....	340/825.06	6,369,769	B1	4/2002	Nap et al. ....	343/719
6,061,604	A	5/2000	Russ et al.		6,370,489	B1	4/2002	Williams et al.	
6,064,318	A	5/2000	Kirchner, III et al.		6,373,399	B1	4/2002	Johnson et al.	
6,067,030	A	5/2000	Burnett et al.		6,380,851	B1	4/2002	Gilbert et al.	
6,069,886	A	5/2000	Ayerst et al.		6,384,722	B1	5/2002	Williams	
6,073,169	A	6/2000	Shuey et al. ....	709/217	6,393,341	B1	5/2002	Lawrence et al.	
6,073,266	A	6/2000	Ahmed et al.		6,393,381	B1	5/2002	Williams et al.	
6,073,840	A	6/2000	Marion		6,393,382	B1	5/2002	Williams et al.	
6,075,451	A	6/2000	Lebowitz et al. ....	340/825.06	6,396,839	B1	5/2002	Ardalan et al. ....	370/401
6,087,957	A	7/2000	Gray .....	340/825.54	6,400,819	B1	6/2002	Nakano et al.	
6,088,659	A	7/2000	Kelley et al. ....	702/62	6,401,081	B1	6/2002	Montgomery et al.	
6,094,622	A	7/2000	Hubbard et al.		6,411,889	B1 *	6/2002	Mizunuma et al. ....	701/117
6,100,817	A *	8/2000	Mason et al. ....	340/870.02	6,415,245	B1 *	7/2002	Williams et al. ....	702/188
6,101,427	A	8/2000	Yang		6,422,464	B1	7/2002	Terranova	
6,101,445	A	8/2000	Alvarado et al.		6,424,270	B1	7/2002	Ali	
6,112,983	A	9/2000	D'Anniballe et al.		6,424,931	B1	7/2002	Sigmar et al.	
6,119,076	A	9/2000	Williams et al.		6,430,268	B1	8/2002	Petite .....	379/39
6,121,593	A	9/2000	Mansbery et al.		6,431,439	B1	8/2002	Suer et al.	
6,121,885	A	9/2000	Masone et al.		6,437,692	B1	8/2002	Petite et al.	
6,124,806	A	9/2000	Cunningham et al.		6,438,575	B1	8/2002	Khan et al.	

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