



US008532641B2

(12) **United States Patent**
White et al.

(10) **Patent No.:** **US 8,532,641 B2**
(45) **Date of Patent:** ***Sep. 10, 2013**

(54) **SYSTEM AND METHOD FOR MANAGING MEDIA**

(71) Applicant: **Affinity Labs of Texas, LLC**, Dripping Springs, TX (US)

(72) Inventors: **Russell W. White**, Austin, TX (US);
Kevin R. Imes, Austin, TX (US)

(73) Assignee: **Affinity Labs of Texas, LLC**, Austin, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal disclaimer.

(21) Appl. No.: **13/673,391**

(22) Filed: **Nov. 9, 2012**

(65) **Prior Publication Data**
US 2013/0065531 A1 Mar. 14, 2013

Related U.S. Application Data

(63) Continuation of application No. 13/117,507, filed on May 27, 2011, which is a continuation of application No. 12/495,190, filed on Jun. 30, 2009, now Pat. No. 7,953,390, which is a continuation of application No. 12/015,320, filed on Jan. 16, 2008, now Pat. No. 7,778,595, which is a continuation of application No. 10/947,755, filed on Sep. 23, 2004, now Pat. No. 7,324,833, which is a continuation of application No. 09/537,812, filed on Mar. 28, 2000, now Pat. No. 7,187,947.

(51) **Int. Cl.**
H04M 3/00 (2006.01)
H04H 40/00 (2008.01)

(52) **U.S. Cl.**
USPC **455/418**; 455/419; 455/3.06; 455/41.3

(58) **Field of Classification Search**
None
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,582,926 A 6/1971 Hassan
4,291,749 A 9/1981 Ootsuka et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2225910 12/1997
CN 1218258 6/1999

(Continued)

OTHER PUBLICATIONS

Affinity Labs of Texas, LLC (Plaintiff) v. *BMW North America, LLC, et al.* (Defendants), Civil Action No. 9:08CV164 and *Affinity Labs of Texas, LLC* (Plaintiff) v. *Alpine Electronics of America, Inc., et al.*, Civil Action No. 9:08CV171, Order Construing Claim Terms of United States Patent No. 7,324,833, issued on Dec. 18, 2009, pp. 1-31.

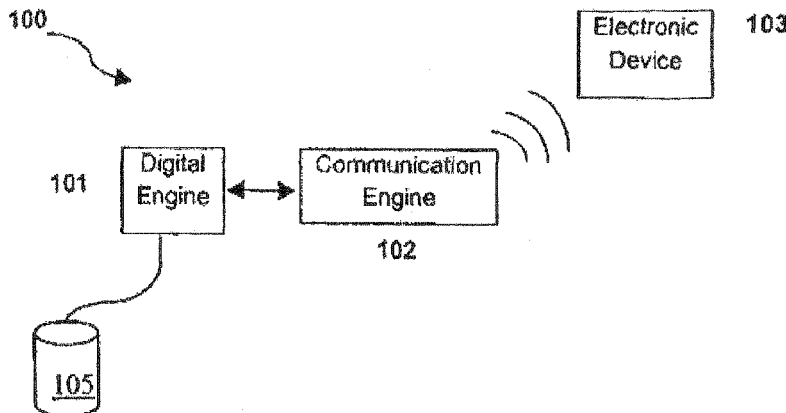
(Continued)

Primary Examiner — Erika A Washington

(57) **ABSTRACT**

A music enabled communication system includes a wireless telephone device with a display, a wireless communication module, a rechargeable power supply, a memory system, and a collection of instructions operable to utilize the wireless communication module to stream a signal representing a song to a recipient device using a given asynchronous wireless channel of a localized communications signaling network, to recognize receipt of an incoming call, and to alter the signal in connection with recognizing receipt of the call.

20 Claims, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,314,232	A	2/1982	Tsunoda	5,450,321	A	9/1995	Crane
4,337,821	A	7/1982	Saito	5,450,471	A	9/1995	Hanawa et al.
4,401,848	A	8/1983	Tsunoda	5,450,613	A	9/1995	Takahara et al.
4,407,564	A	10/1983	Ellis	5,475,399	A	12/1995	Borsuk
4,419,730	A	12/1983	Ito et al.	5,475,835	A	12/1995	Hickey
4,441,405	A	4/1984	Takeuchi	5,479,157	A	12/1995	Suman et al.
4,481,584	A	11/1984	Holland	5,483,632	A	1/1996	Kuwamoto et al.
4,536,739	A	8/1985	Nobuta	5,486,840	A	1/1996	Borrego et al.
4,570,217	A	2/1986	Allen et al.	5,488,357	A	1/1996	Sato et al.
4,582,389	A	4/1986	Wood et al.	5,493,658	A	2/1996	Chiang et al.
4,636,782	A	1/1987	Nakamura et al.	5,497,271	A	3/1996	Mulvanny et al.
4,716,458	A	12/1987	Heitzman et al.	5,504,482	A	4/1996	Schreder
4,731,769	A	3/1988	Schaefer	5,504,622	A	4/1996	Oikawa et al.
4,740,779	A	4/1988	Cleary et al.	5,506,595	A	4/1996	Fukano et al.
4,740,780	A	4/1988	Brown et al.	5,511,724	A	4/1996	Freiberger et al.
4,752,824	A	6/1988	Moore	5,519,410	A	5/1996	Smalanskas et al.
4,795,223	A	1/1989	Moss	5,523,559	A	6/1996	Swanson
4,802,492	A	2/1989	Grunstein	5,524,051	A	6/1996	Ryan
4,807,292	A	2/1989	Sorscher	5,525,977	A	6/1996	Suman
4,809,177	A	2/1989	Windle et al.	5,528,248	A	6/1996	Steiner et al.
4,812,843	A	3/1989	Champion, III et al.	5,528,496	A	6/1996	Brauer et al.
4,817,203	A	3/1989	Tsurumoto et al.	5,532,684	A	7/1996	Katsu
4,818,048	A	4/1989	Moss	5,534,888	A	7/1996	Lebby et al.
4,827,520	A	5/1989	Zeinstra	5,539,645	A	7/1996	Mandhyan et al.
4,837,551	A	6/1989	Iino	5,539,658	A	7/1996	McCullough
4,876,594	A	10/1989	Schiffman	5,539,869	A	7/1996	Spoto et al.
4,905,272	A	2/1990	Van de Mortel et al.	5,543,789	A	8/1996	Behr et al.
4,914,705	A	4/1990	Nigawara	5,547,125	A	8/1996	Hennessee et al.
4,977,509	A	12/1990	Pitchford et al.	5,553,661	A	9/1996	Beyerlein et al.
4,988,976	A	1/1991	Lu	5,555,172	A	9/1996	Potter
4,995,258	A	2/1991	Frank	5,555,286	A	9/1996	Tendler
4,996,959	A	3/1991	Akimoto	5,555,502	A	9/1996	Opel
4,999,622	A	3/1991	Amano et al.	5,557,541	A	9/1996	Schulhof et al.
5,006,829	A	4/1991	Miyamoto et al.	5,568,390	A	10/1996	Hirota et al.
5,051,735	A	9/1991	Furukawa	5,572,442	A	11/1996	Schulhof
5,070,323	A	12/1991	Iino et al.	5,576,724	A	11/1996	Fukatsu et al.
5,124,915	A	6/1992	Krenzel	5,586,090	A	12/1996	Otte
5,164,904	A	11/1992	Sumner	5,587,560	A	12/1996	Crooks et al.
5,179,385	A	1/1993	O'Loughlin et al.	5,594,709	A	1/1997	Nagano et al.
5,198,797	A	3/1993	Daidoji	5,594,779	A	1/1997	Goodman
5,203,499	A	4/1993	Knittel	5,596,319	A	1/1997	Spry
5,214,413	A	5/1993	Okabayashi et al.	5,604,676	A	2/1997	Penzias
5,214,707	A	5/1993	Fujimoto et al.	5,614,895	A	3/1997	Ohomori et al.
5,214,793	A	5/1993	Conway et al.	5,616,876	A	4/1997	Cluts
5,239,700	A	8/1993	Guenther et al.	5,619,412	A	4/1997	Hapka
5,257,190	A	10/1993	Crane	5,621,252	A	4/1997	Bucknam
5,270,689	A	12/1993	Hermann	5,625,608	A	4/1997	Grewe et al.
5,274,560	A	12/1993	LaRue	5,625,668	A	4/1997	Loomis et al.
5,278,532	A	1/1994	Hegg et al.	5,627,547	A	5/1997	Ramaswamy et al.
5,293,115	A	3/1994	Swanson	5,638,305	A	6/1997	Kobayashi et al.
5,299,132	A	3/1994	Wortham	5,639,305	A	6/1997	Brown et al.
5,307,326	A	4/1994	Osawa	5,646,608	A	7/1997	Shintani
5,327,558	A	7/1994	Burke et al.	5,650,929	A	7/1997	Potter et al.
5,335,743	A	8/1994	Gillbrand et al.	5,653,386	A	8/1997	Hennessee et al.
5,341,350	A	8/1994	Frank	5,654,715	A	8/1997	Hayashikura et al.
5,345,817	A	9/1994	Grenn et al.	5,657,221	A	8/1997	Warman et al.
5,351,041	A	9/1994	Ikata et al.	5,661,652	A	8/1997	Sprague et al.
5,361,165	A	11/1994	Stringfellow et al.	5,664,228	A	9/1997	Mital
5,363,355	A	11/1994	Takagi	5,666,102	A	9/1997	Lahiff
5,371,510	A	12/1994	Miyauchi et al.	5,670,953	A	9/1997	Satoh et al.
5,388,248	A	2/1995	Robinson et al.	5,677,837	A	10/1997	Reynolds
5,400,045	A	3/1995	Aoki	5,682,525	A	10/1997	Bouve et al.
5,400,246	A	3/1995	Wilson et al.	5,684,490	A	11/1997	Young et al.
5,404,443	A	4/1995	Hirata	5,691,695	A	11/1997	Lahiff
5,408,686	A	4/1995	Mankovitz	5,694,120	A	12/1997	Indekeu et al.
5,410,326	A	4/1995	Goldstein	5,699,056	A	12/1997	Yoshida
5,414,439	A	5/1995	Groves et al.	5,699,255	A	12/1997	Ellis et al.
5,416,318	A	5/1995	Hegy	5,702,165	A	12/1997	Koibuchi
5,418,962	A	5/1995	Bodin et al.	5,712,640	A	1/1998	Andou et al.
5,420,573	A	5/1995	Tanaka et al.	5,715,474	A	2/1998	Burke et al.
5,422,565	A	6/1995	Swanson	5,721,827	A	2/1998	Logan et al.
5,432,904	A	7/1995	Wong	5,732,216	A	3/1998	Logan et al.
5,440,428	A	8/1995	Hegg et al.	5,734,973	A	3/1998	Honda
				5,737,706	A	4/1998	Seazholtz
				5,742,226	A	4/1998	Szabo et al.
				5,742,893	A	4/1998	Frank
				5,752,754	A	5/1998	Amitani et al.

5,757,359 A	5/1998	Morimoto et al.	6,121,282 A	9/2000	Dominianni et al.
5,758,311 A	5/1998	Tsuji et al.	6,122,403 A	9/2000	Rhoads
5,760,742 A	6/1998	Branch et al.	6,128,559 A	10/2000	Saitou et al.
5,772,534 A	6/1998	Dudley	6,131,060 A	10/2000	Obradovich et al.
5,774,070 A	6/1998	Rendon	6,133,853 A	10/2000	Obradovich et al.
5,774,793 A	6/1998	Cooper et al.	6,144,358 A	11/2000	Narayanaswamy et al.
5,774,827 A	6/1998	Smith, Jr. et al.	6,144,848 A	11/2000	Walsh et al.
5,777,394 A	7/1998	Arnold	6,147,938 A	11/2000	Ogawa et al.
5,790,973 A	8/1998	Blaker et al.	6,148,261 A	11/2000	Obradovich et al.
5,790,974 A	8/1998	Tognazzini	6,150,925 A	11/2000	Casazza
5,794,164 A	8/1998	Beckert et al.	6,151,634 A	11/2000	Glaser
5,797,089 A	8/1998	Nguyen et al.	6,157,619 A	12/2000	Ozluturk
5,798,759 A	8/1998	Dahl	6,157,725 A	12/2000	Becker
5,806,018 A	9/1998	Smith et al.	6,160,551 A	12/2000	Naughton
5,808,224 A	9/1998	Kato	6,161,071 A	12/2000	Shuman et al.
5,808,566 A	9/1998	Behr et al.	6,163,079 A	12/2000	Miyazaki et al.
5,812,870 A	9/1998	Kikinis et al.	6,163,711 A	12/2000	Juntunen et al.
5,819,160 A	10/1998	Foladare et al.	6,167,253 A	12/2000	Farris et al.
5,822,098 A	10/1998	Morgaine	6,169,515 B1	1/2001	Mannings et al.
5,835,732 A	11/1998	Kikinis et al.	6,175,782 B1	1/2001	Obradovich et al.
5,839,108 A	11/1998	Daberko et al.	6,175,789 B1	1/2001	Beckert et al.
5,852,775 A	12/1998	Hidary	6,177,950 B1	1/2001	Robb
5,864,305 A	1/1999	Rosenquist	6,178,403 B1	1/2001	Detlef
5,867,494 A	2/1999	Krishnaswamy et al.	6,178,514 B1	1/2001	Wood
5,870,680 A	2/1999	Guerlin et al.	6,182,006 B1	1/2001	Meek
5,875,412 A	2/1999	Sulich et al.	6,185,491 B1	2/2001	Gray et al.
5,878,282 A	3/1999	Mital	6,189,057 B1	2/2001	Schwanz et al.
5,885,085 A	3/1999	Fujita	6,192,340 B1	2/2001	Abecassis
5,889,852 A	3/1999	Rosecrans et al.	6,196,846 B1	3/2001	Berger et al.
5,900,564 A	5/1999	Kurakake	6,199,076 B1	3/2001	Logan et al.
5,908,464 A	6/1999	Kishigami et al.	6,201,540 B1	3/2001	Gallup et al.
5,914,941 A	6/1999	Janky	6,202,008 B1	3/2001	Beckert et al.
5,917,405 A	6/1999	Joao	6,225,984 B1	5/2001	Crawford
5,919,239 A	7/1999	Fraker et al.	6,230,322 B1	5/2001	Saib et al.
5,919,246 A	7/1999	Waizmann et al.	6,232,539 B1	5/2001	Looney et al.
5,926,624 A	7/1999	Katz et al.	6,233,430 B1	5/2001	Helferich
5,940,767 A	8/1999	Bourgeois et al.	6,236,832 B1	5/2001	Ito
5,952,969 A	9/1999	Ghisler	6,236,918 B1	5/2001	Sonoda et al.
5,953,005 A	9/1999	Liu	6,240,297 B1	5/2001	Jadoul
5,953,657 A	9/1999	Ghisler	6,240,347 B1	5/2001	Everhart et al.
5,953,659 A	9/1999	Kotzin et al.	6,243,725 B1	6/2001	Hempleman et al.
5,956,029 A	9/1999	Okada et al.	6,246,935 B1	6/2001	Buckley
5,956,651 A	9/1999	Willkie	6,247,130 B1	6/2001	Fritsch
5,963,916 A	10/1999	Kaplan	6,248,946 B1	6/2001	Dwek
5,969,283 A	10/1999	Looney et al.	6,253,061 B1	6/2001	Helferich
5,969,826 A	10/1999	Dash et al.	6,255,961 B1	7/2001	Van Ryzin et al.
5,974,333 A	10/1999	Chen	6,259,892 B1	7/2001	Helferich
5,982,298 A	11/1999	Lappenbusch et al.	6,262,724 B1	7/2001	Crow et al.
5,987,381 A	11/1999	Oshizawa	6,275,231 B1	8/2001	Obradovich
5,987,394 A	11/1999	Takakura et al.	6,278,531 B1	8/2001	Tesavis
5,990,803 A	11/1999	Park	6,278,676 B1	8/2001	Anderson et al.
5,991,640 A	11/1999	Lilja et al.	6,278,842 B1	8/2001	Yamazaki et al.
5,999,525 A	12/1999	Krishnaswamy et al.	6,278,884 B1	8/2001	Kim
5,999,877 A	12/1999	Takahashi et al.	6,282,464 B1	8/2001	Obradovich
6,006,115 A	12/1999	Wingate	6,289,382 B1	9/2001	Bowman-Amuah
6,006,161 A	12/1999	Katou	6,292,440 B1	9/2001	Lee
6,007,228 A	12/1999	Agarwal et al.	6,292,743 B1	9/2001	Pu et al.
6,009,355 A	12/1999	Obradovich et al.	6,301,116 B1	10/2001	Tamura
6,009,363 A	12/1999	Beckert	6,314,094 B1	11/2001	Boys
6,014,569 A	1/2000	Bottum	6,314,326 B1	11/2001	Fuchu
6,014,689 A	1/2000	Budge et al.	6,330,247 B1	12/2001	Chang
6,018,571 A	1/2000	Langlois et al.	6,332,163 B1	12/2001	Bowman-Amuah
6,023,232 A	2/2000	Eitzenberger	6,335,927 B1	1/2002	Elliott et al.
6,023,241 A	2/2000	Clapper	6,338,044 B1	1/2002	Cook et al.
6,029,064 A	2/2000	Farris et al.	6,339,706 B1	1/2002	Tillgren et al.
6,032,089 A	2/2000	Buckley	6,339,832 B1	1/2002	Bowman-Amuah
6,041,023 A	3/2000	Lakhansingh	6,344,861 B1	2/2002	Naughton et al.
6,047,234 A	4/2000	Cherveny et al.	6,349,352 B1	2/2002	Lea
6,047,327 A	4/2000	Tso et al.	6,353,637 B1	3/2002	Mansour et al.
6,055,478 A	4/2000	Heron	6,363,240 B2	3/2002	Ito
6,061,306 A	5/2000	Buchheim	6,377,825 B1	4/2002	Kennedy et al.
6,083,009 A	7/2000	Kim et al.	6,396,164 B1	5/2002	Barnea et al.
6,084,584 A	7/2000	Nahi et al.	6,396,769 B1	5/2002	Polany
6,088,730 A	7/2000	Kato et al.	6,401,085 B1	6/2002	Gershman et al.
6,091,067 A	7/2000	Drobot et al.	6,407,750 B1	6/2002	Gioscia et al.
6,100,884 A	8/2000	Tomita et al.	6,418,138 B1	7/2002	Cerf et al.
6,104,334 A	8/2000	Allport	6,418,330 B1	7/2002	Lee

6,421,305	B1	7/2002	Gioscia et al.	6,707,889	B1	3/2004	Saylor et al.
6,422,941	B1	7/2002	Thorner et al.	6,708,086	B2	3/2004	Richard
6,425,018	B1	7/2002	Kaganas et al.	6,715,145	B1	3/2004	Bowman-Amuah
6,434,459	B2	8/2002	Wong et al.	6,721,489	B1	4/2004	Benyamin et al.
6,434,568	B1	8/2002	Bowman-Amuah	6,721,710	B1	4/2004	Lueck
6,434,628	B1	8/2002	Bowman-Amuah	6,725,022	B1	4/2004	Clayton et al.
6,438,594	B1	8/2002	Bowman-Amuah	6,728,531	B1	4/2004	Lee
6,442,748	B1	8/2002	Bowman-Amuah	6,731,625	B1	5/2004	Eastep et al.
6,446,080	B1	9/2002	Van Ryzin et al.	6,741,980	B1	5/2004	Langseth et al.
6,449,541	B1	9/2002	Goldberg et al.	6,742,015	B1	5/2004	Bowman-Amuah
6,453,281	B1	9/2002	Walters	6,754,181	B1	6/2004	Elliott et al.
6,456,892	B1	9/2002	Dara-Abrams et al.	6,760,916	B2	7/2004	Holtz et al.
6,476,825	B1	11/2002	Croy	6,772,212	B1	8/2004	Lau et al.
6,477,580	B1	11/2002	Bowman-Amuah	6,788,528	B2	9/2004	Enners et al.
6,477,665	B1	11/2002	Bowman-Amuah	6,791,907	B2	9/2004	Berhan
6,487,663	B1	11/2002	Jaisimha	6,792,086	B1	9/2004	Saylor et al.
6,493,546	B2	12/2002	Patsiokas	6,792,263	B1	9/2004	Kite
6,493,743	B2	12/2002	Suzuki	6,792,615	B1	9/2004	Rowe et al.
6,496,205	B1	12/2002	White et al.	6,823,225	B1	11/2004	Sass
6,496,692	B1	12/2002	Shanahan	6,829,475	B1	12/2004	Lee et al.
6,496,850	B1	12/2002	Bowman-Amuah	6,832,316	B1	12/2004	Sibert
6,501,832	B1	12/2002	Saylor et al.	6,842,906	B1	1/2005	Bowman-Amuah
6,502,213	B1	12/2002	Bowman-Amuah	6,845,398	B1	1/2005	Galensky et al.
6,507,762	B1	1/2003	Amro et al.	6,862,357	B1	3/2005	Albus et al.
6,509,716	B2	1/2003	Yi	6,888,927	B1	5/2005	Cruickshank et al.
6,510,210	B1	1/2003	Baughan	6,888,929	B1	5/2005	Saylor et al.
6,510,325	B1	1/2003	Mack, II et al.	6,892,067	B1	5/2005	Sharma et al.
6,516,466	B1	2/2003	Jackson	6,901,067	B1	5/2005	Kalavade
6,526,335	B1	2/2003	Treyz et al.	6,904,264	B1	6/2005	Franz
6,529,909	B1	3/2003	Bowman-Amuah	6,904,449	B1	6/2005	Quinones
6,529,948	B1	3/2003	Bowman-Amuah	6,907,112	B1	6/2005	Guedalia et al.
6,539,396	B1	3/2003	Bowman-Amuah	6,909,708	B1	6/2005	Krishnaswamy et al.
6,549,942	B1	4/2003	Janky et al.	6,912,514	B2	6/2005	Matsushima et al.
6,549,949	B1	4/2003	Bowman-Amuah	6,915,272	B1	7/2005	Zilliacus et al.
6,550,057	B1	4/2003	Bowman-Amuah	6,917,923	B1	7/2005	Dimenstein
6,559,773	B1	5/2003	Berry	6,956,833	B1	10/2005	Yukie et al.
6,564,243	B1	5/2003	Yedidia et al.	6,963,783	B1	11/2005	Bi et al.
6,571,282	B1	5/2003	Bowman-Amuah	6,963,784	B1	11/2005	Gibbs
6,578,068	B1	6/2003	Bowman-Amuah	6,966,065	B1	11/2005	Kitazato et al.
6,584,403	B2	6/2003	Bunn	6,975,835	B1	12/2005	Lake et al.
6,587,127	B1	7/2003	Leeke et al.	6,978,127	B1	12/2005	Bulthuis et al.
6,587,835	B1	7/2003	Treyz et al.	6,990,208	B1	1/2006	Lau et al.
6,591,085	B1	7/2003	Grady	6,990,334	B1	1/2006	Ito
6,594,723	B1	7/2003	Chapman et al.	6,990,464	B1	1/2006	Pirillo
6,594,740	B1	7/2003	Fukuda	7,013,151	B2	3/2006	Hirokawa
6,594,774	B1	7/2003	Chapman et al.	7,020,704	B1	3/2006	Lipscomb et al.
6,601,192	B1	7/2003	Bowman-Amuah	7,058,376	B2	6/2006	Logan et al.
6,601,234	B1	7/2003	Bowman-Amuah	7,065,342	B1	6/2006	Rolf
6,606,082	B1	8/2003	Zuberec et al.	7,085,710	B1	8/2006	Beckert et al.
6,606,660	B1	8/2003	Bowman-Amuah	7,120,462	B2	10/2006	Kumar
6,606,744	B1	8/2003	Mikurak	7,123,936	B1	10/2006	Rydbeck et al.
6,609,105	B2	8/2003	Van Zoest et al.	7,124,101	B1	10/2006	Mikurak
6,611,537	B1*	8/2003	Edens et al. 370/503	7,130,807	B1	10/2006	Mikurak
6,615,199	B1	9/2003	Bowman-Amuah	7,139,626	B2	11/2006	Kataoka et al.
6,615,253	B1	9/2003	Bowman-Amuah	7,145,898	B1	12/2006	Elliott
6,618,039	B1	9/2003	Grant et al.	7,149,543	B2	12/2006	Kumar, II
6,622,083	B1	9/2003	Knockheart et al.	7,149,772	B1	12/2006	Kalavade
6,629,000	B1	9/2003	Moon et al.	7,200,357	B2	4/2007	Janik et al.
6,629,197	B1	9/2003	Bhogal et al.	7,209,892	B1	4/2007	Galuten et al.
6,633,932	B1	10/2003	Bork et al.	7,209,943	B1	4/2007	Ching et al.
6,636,242	B2	10/2003	Bowman-Amuah	7,219,123	B1	5/2007	Fiechter et al.
6,639,584	B1	10/2003	Li	7,321,783	B2	1/2008	Kim
6,640,238	B1	10/2003	Bowman-Amuah	7,321,923	B1	1/2008	Rosenberg et al.
6,640,244	B1	10/2003	Bowman-Amuah	7,324,833	B2	1/2008	White et al.
6,640,249	B1	10/2003	Bowman-Amuah	7,339,993	B1	3/2008	Brooks
6,640,306	B1	10/2003	Tone et al.	7,343,414	B2	3/2008	Lipscomb et al.
6,647,257	B2	11/2003	Owensby	7,346,687	B2	3/2008	Lipscomb et al.
6,658,247	B1	12/2003	Saito	7,349,722	B2*	3/2008	Witkowski et al. 455/569.2
6,671,567	B1	12/2003	Dwyer et al.	7,376,586	B1	5/2008	Partovi et al.
6,671,715	B1	12/2003	Langseth et al.	7,379,541	B2	5/2008	Iggulden et al.
6,671,745	B1	12/2003	Mathur et al.	7,437,485	B1	10/2008	Kruglikov et al.
6,671,818	B1	12/2003	Mikurak	7,440,772	B2	10/2008	White et al.
6,675,233	B1	1/2004	Du	7,444,353	B1	10/2008	Chen
6,678,215	B1	1/2004	Treyz	7,549,007	B1	6/2009	Smith et al.
6,681,120	B1*	1/2004	Kim 455/556.1	7,562,392	B1	7/2009	Rhoads et al.
6,694,200	B1	2/2004	Naim	7,711,838	B1	5/2010	Boulter
6,697,824	B1	2/2004	Bowman-Amuah	7,778,595	B2	8/2010	White

2002/0023028	A1	2/2002	Quarendon et al.	JP	6-187597	7/1994
2002/0026442	A1	2/2002	Lipscomb et al.	JP	6187597	7/1994
2002/0046084	A1	4/2002	Steele et al.	JP	6289118	10/1994
2002/0049852	A1*	4/2002	Lee et al. 709/231	JP	6294659	10/1994
2002/0058475	A1	5/2002	Patsiokas	JP	7036382	2/1995
2002/0060701	A1	5/2002	Naughton et al.	JP	07-129895	5/1995
2002/0069244	A1	6/2002	Blair et al.	JP	07129895	5/1995
2002/0072818	A1	6/2002	Moon et al.	JP	07-146155	6/1995
2002/0144271	A1	10/2002	Behagen et al.	JP	07146155	6/1995
2002/0164973	A1	11/2002	Janik	JP	7-262493	10/1995
2002/0174013	A1	11/2002	Freeman et al.	JP	7262493	10/1995
2003/0008646	A1	1/2003	Shanahan	JP	7270171	10/1995
2003/0010633	A1	1/2003	Abiko et al.	JP	H08-6875	1/1996
2003/0105718	A1	6/2003	Hurtado et al.	JP	8-79814	3/1996
2003/0126335	A1	7/2003	Silvester	JP	879814	3/1996
2003/0163486	A1	8/2003	Van Der Meulen	JP	H08-79814	3/1996
2003/0215102	A1	11/2003	Marlowe	JP	H0879814	3/1996
2004/0078274	A1	4/2004	Aarnio	JP	8-110231	4/1996
2004/0151327	A1	8/2004	Marlow	JP	8110231	4/1996
2004/0210765	A1	10/2004	Erickson	JP	950282	2/1997
2005/0010633	A1	1/2005	Shanahan	JP	9-61514	3/1997
2005/0049002	A1	3/2005	White et al.	JP	9-74580	3/1997
2005/0054379	A1	3/2005	Cao et al.	JP	961514	3/1997
2005/0096018	A1	5/2005	White et al.	JP	974580	3/1997
2005/0282600	A1	12/2005	Paradice, III	JP	10-103966	4/1998
2006/0039263	A1	2/2006	Trotabas	JP	10103966	4/1998
2006/0080741	A1	4/2006	Nair	JP	H08-252976	4/1998
2006/0094349	A1	5/2006	Slesak et al.	JP	10-143349	5/1998
2006/0105804	A1	5/2006	Kumar	JP	10143349	5/1998
2006/0206493	A1	9/2006	Lipscomb et al.	JP	10-149182	6/1998
2007/0150963	A1	6/2007	Lee et al.	JP	10149182	6/1998
2009/0280784	A1*	11/2009	Mousseau et al. 455/414.3	JP	10173737	6/1998
				JP	1998-052033	9/1998
				JP	1998052033	9/1998
				JP	3056721	12/1998

FOREIGN PATENT DOCUMENTS

CN	1218258	A	6/1999	JP	11-68685	3/1999
CN	1218258	A	6/1999	JP	11-73192	3/1999
DE	4431070		3/1996	JP	1168685	3/1999
DE	19 651 308	A1	10/1996	JP	1173192	3/1999
DE	19651308		10/1996	JP	2901445	3/1999
DE	101 01 702	A1	1/2001	JP	11-96735	4/1999
DE	102 05 641	A1	2/2002	JP	1196735	4/1999
DE	10205641	A1	2/2002	JP	11-143791	5/1999
DE	44 31 070	B4	7/2004	JP	11143791	5/1999
DE	4431070		7/2004	JP	1999-0042565	6/1999
DE	20 2004 013 65		12/2004	JP	19990042565	6/1999
DE	20200401365		12/2004	JP	H11-164058	6/1999
EP	333330		9/1989	JP	11-219580	8/1999
EP	0 569 343	A1	10/1993	JP	11219580	8/1999
EP	0569343		10/1993	JP	11-068685	9/1999
EP	0569243		11/1993	JP	11-242686	9/1999
EP	0661676		12/1994	JP	1168685	9/1999
EP	0 675 341	A1	4/1995	JP	11242686	9/1999
EP	0675341		10/1995	JP	H11-242686	9/1999
EP	0744839		11/1996	JP	H11242686	9/1999
EP	0 771 686	A2	7/1997	JP	11219580	10/1999
EP	0771686		7/1997	JP	11219580	10/1999
EP	0 920 016	A2	2/1999	JP	H11-288558	10/1999
EP	0898378		2/1999	JP	11-317061	11/1999
EP	0920016		2/1999	JP	11317061	11/1999
EP	0 918 408	A2	5/1999	JP	H11-317061	11/1999
EP	0918408		5/1999	JP	H11317061	11/1999
EP	0 982 732	A1	1/2000	JP	2000-66974	3/2000
EP	0982732		1/2000	JP	200066974	3/2000
EP	0982732	A1	1/2000	JP	2001-128280	5/2001
EP	984584		8/2000	JP	2001128280	5/2001
EP	1 146 674	A2	10/2001	JP	10-356742	10/2002
EP	1146674		10/2001	JP	3890692	12/2006
JP	59085599		5/1984	JP	2007-207257	8/2007
JP	63-136828		6/1988	JP	2007207257	8/2007
JP	63136828		6/1988	KR	10-1997-0016743	4/1997
JP	1018712		1/1989	KR	1019970016743	4/1997
JP	1196735		8/1989	KR	20-1997-0012254	5/1997
JP	2-301330		12/1990	KR	2019970012254	5/1997
JP	2301330		12/1990	KR	0142256	3/1998
JP	H4-261576		9/1992	KR	1999-024210	3/1999
JP	H4261576		9/1992	KR	1999-0033726	5/1999
JP	5077679		3/1993	KR		

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.