

# EXHIBIT 7



US010387087B2

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

(10) **Patent No.:** **US 10,387,087 B2**  
(45) **Date of Patent:** **Aug. 20, 2019**

(54) **OUTPUT SYSTEMS OR AUDIO OUTPUT DEVICES THAT INCLUDE AN INTERFACE OPERABLE BY A USER TO INITIATE WIRELESS DISCOVERY FOR ESTABLISHING WIRELESS CONNECTIONS WITH MOBILE DEVICES**

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

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,629,493 A 12/1971 Morgenfruh  
3,833,297 A 9/1974 Swartz  
(Continued)

FOREIGN PATENT DOCUMENTS

CN 1217503 A 5/1999  
CN 1488106 A 4/2004  
(Continued)

OTHER PUBLICATIONS

United States Patent and Trademark Office, Office Action for U.S. Appl. No. 12/783,504, dated Apr. 15, 2011, 17 pages.  
(Continued)

*Primary Examiner* — Marcus T Riley

(74) *Attorney, Agent, or Firm* — Chernoff, Vilhauer LLP

(57) **ABSTRACT**

A method for establishing a wireless connection between a mobile information apparatus (e.g., smart phone) and an output system (e.g., audio output device) are herein disclosed and enabled. The method comprises using an interface of the output system to receive an indication from a user, and initiating wireless discovery based, at least in part, on physical proximity between the mobile information apparatus and the output system, subsequent to receiving the user indication. The method additionally comprises using the mobile information apparatus to wirelessly (1) discover the output system, (2) establish a wireless communication link between the mobile information apparatus and the output system, and (3) transmit audio output data from the mobile information apparatus to the output system over the established wireless communication link. Subsequently, the output system outputs or plays at least part of the wirelessly  
(Continued)

(71) Applicant: **Flexiworld Technologies, Inc.**,  
Vancouver, WA (US)

(72) Inventors: **William Ho Chang**, Vancouver, WA (US); **Christina Ying Liu**, San Francisco, CA (US)

(73) Assignee: **Flexiworld Technologies, Inc.**,  
Vancouver, WA (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.

(21) Appl. No.: **15/614,441**

(22) Filed: **Jun. 5, 2017**

(65) **Prior Publication Data**

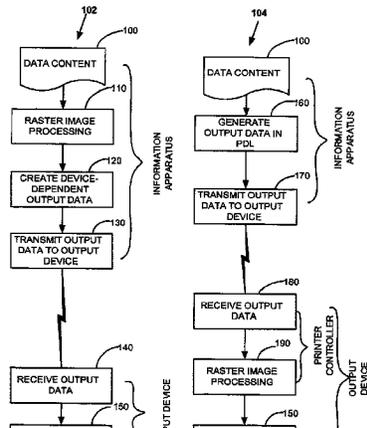
US 2017/0277487 A1 Sep. 28, 2017

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 13/710,299, filed on Dec. 10, 2012, now Pat. No. 9,798,516, (Continued)

(51) **Int. Cl.**  
**G06F 3/12** (2006.01)  
**H04N 1/44** (2006.01)  
(Continued)

(52) **U.S. Cl.**  
CPC ..... **G06F 3/1236** (2013.01); **G06F 3/122** (2013.01); **G06F 3/1203** (2013.01);  
(Continued)



## US 10,387,087 B2

Page 2

received audio output data from the mobile information apparatus. (56)

## 20 Claims, 14 Drawing Sheets

## Related U.S. Application Data

which is a continuation of application No. 12/903,048, filed on Oct. 12, 2010, now Pat. No. 8,332,521, and a continuation of application No. 10/053,765, filed on Jan. 18, 2002, now Pat. No. 9,836,257, and a continuation-in-part of application No. 09/992,413, filed on Nov. 18, 2001, now Pat. No. 9,965,233, application No. 12/903,048, which is a continuation of application No. 10/016,223, filed on Nov. 1, 2001, now Pat. No. 7,941,541.

(60) Provisional application No. 60/262,764, filed on Jan. 19, 2001, provisional application No. 60/252,682, filed on Nov. 20, 2000, provisional application No. 60/245,101, filed on Nov. 1, 2000.

## (51) Int. Cl.

**G06K 15/02** (2006.01)  
**H04N 1/00** (2006.01)  
**H04W 12/06** (2009.01)  
**H04N 1/32** (2006.01)  
**H04L 29/08** (2006.01)  
**H04W 12/08** (2009.01)  
**H04N 7/16** (2011.01)  
**H04W 8/00** (2009.01)  
**G06Q 20/10** (2012.01)  
**H04W 76/10** (2018.01)  
**H04W 84/12** (2009.01)  
**H04W 4/80** (2018.01)

## (52) U.S. Cl.

CPC ..... **G06F 3/1205** (2013.01); **G06F 3/128** (2013.01); **G06F 3/1226** (2013.01); **G06F 3/1228** (2013.01); **G06F 3/1229** (2013.01); **G06F 3/1238** (2013.01); **G06F 3/1245** (2013.01); **G06F 3/1247** (2013.01); **G06F 3/1253** (2013.01); **G06F 3/1258** (2013.01); **G06F 3/1284** (2013.01); **G06F 3/1285** (2013.01); **G06F 3/1286** (2013.01); **G06F 3/1288** (2013.01); **G06F 3/1292** (2013.01); **G06K 15/02** (2013.01); **G06K 15/181** (2013.01); **G06K 15/1836** (2013.01); **G06Q 20/10** (2013.01); **H04L 67/16** (2013.01); **H04L 67/303** (2013.01); **H04N 1/00244** (2013.01); **H04N 1/00283** (2013.01); **H04N 1/00411** (2013.01); **H04N 1/00854** (2013.01); **H04N 1/00938** (2013.01); **H04N 1/32534** (2013.01); **H04N 1/32582** (2013.01); **H04N 1/442** (2013.01); **H04N 1/4413** (2013.01); **H04N 7/16** (2013.01); **H04W 8/005** (2013.01); **H04W 12/06** (2013.01); **H04W 12/08** (2013.01); **H04W 76/10** (2018.02); **G06F 3/1208** (2013.01); **H04W 4/80** (2018.02);

## References Cited

## U.S. PATENT DOCUMENTS

3,848,856 A	11/1974	Reeber et al.	
4,262,301 A	4/1981	Erlichman	
4,266,863 A	5/1981	Hollingsworth et al.	
4,291,956 A	9/1981	Vogelgesang	
4,291,957 A	9/1981	Hollingsworth	
4,301,599 A	11/1981	Leay	
4,335,955 A	6/1982	Lopata	
4,340,905 A	7/1982	Balding	
4,360,264 A	11/1982	Baker et al.	
4,417,792 A	11/1983	Martin	
4,428,001 A	1/1984	Yamamura et al.	
4,431,282 A	2/1984	Martin	
4,435,059 A	3/1984	Gerber	
4,495,490 A	1/1985	Hopper et al.	
4,539,585 A	9/1985	Spackova et al.	
4,541,010 A	9/1985	Alston	
4,553,835 A	11/1985	Morgan, Jr.	
4,580,880 A	4/1986	Watson	
4,602,280 A	7/1986	Maloomian	
4,603,330 A	7/1986	Horne et al.	
4,758,881 A	7/1988	Laspada	
4,956,665 A	9/1990	Niles	
4,958,220 A	9/1990	Alessi et al.	
4,979,032 A	12/1990	Alessi et al.	
5,048,057 A	9/1991	Saleh et al.	
5,166,809 A	11/1992	Surbrook	
5,220,674 A	6/1993	Morgan et al.	
5,228,118 A	7/1993	Sasaki	
5,257,097 A	10/1993	Pineau et al.	
5,270,773 A	12/1993	Sklut et al.	
5,287,194 A	2/1994	Lobiondo	
5,303,342 A	4/1994	Edge	
5,319,711 A *	6/1994	Servi .....	H04W 12/06 340/5.74
5,337,258 A	8/1994	Dennis	
5,353,388 A	10/1994	Motoyama	
5,404,433 A	4/1995	Plosogai	
5,412,798 A	5/1995	Gamey	
5,463,623 A	10/1995	Grimes et al.	
5,467,434 A	11/1995	Hower, Jr. et al.	
5,475,507 A	12/1995	Suzuki et al.	
5,479,206 A	12/1995	Ueno et al.	
5,485,634 A	1/1996	Weiser et al.	
5,487,069 A	1/1996	O'Sullivan et al.	
5,490,287 A *	2/1996	Itoh .....	H04W 52/362 358/442
5,515,480 A	5/1996	Frazier	
5,519,641 A	5/1996	Beers et al.	
5,524,185 A *	6/1996	Na .....	G06F 3/1204 358/1.15
5,537,107 A	7/1996	Funado	
5,537,517 A	7/1996	Wakabayashi et al.	
5,546,079 A	8/1996	Wagner	
5,564,109 A	10/1996	Snyder et al.	
5,566,278 A	10/1996	Patel et al.	
5,568,595 A	10/1996	Yosefi et al.	
5,580,177 A	12/1996	Gase et al.	
5,589,889 A	12/1996	Kawaoka	
5,596,697 A	1/1997	Foster et al.	
5,604,843 A	2/1997	Shaw et al.	
5,613,123 A	3/1997	Tsang et al.	
5,613,124 A	3/1997	Atkinson et al.	
5,613,191 A	3/1997	Hylton et al.	
5,619,257 A	4/1997	Reele et al.	
5,619,649 A	4/1997	Kovnat et al.	
5,625,757 A	4/1997	Kageyama et al.	
5,629,981 A	5/1997	Nerlikar	
5,636,211 A *	6/1997	Newlin .....	H04L 29/06 370/465
5,644,662 A	7/1997	Vuyksteke	
5,664,243 A	9/1997	Okada et al.	
5,675,717 A	10/1997	Yamamoto	
5,687,332 A	11/1997	Kurahashi et al.	

## US 10,387,087 B2

Page 3

(56)		References Cited			
		U.S. PATENT DOCUMENTS			
5,717,742	A	2/1998	Hyde-Thomson	6,138,178	A 10/2000 Watanabe
5,724,106	A	3/1998	Autry et al.	6,141,659	A 10/2000 Barker et al.
5,737,501	A	4/1998	Tsunekawa	6,144,997	A * 11/2000 Lamming ..... G06F 15/0225
5,739,928	A	4/1998	Scott		709/200
5,748,859	A	5/1998	Takayanagi et al.	6,145,031	A 11/2000 Mastie et al.
5,754,655	A *	5/1998	Hughes ..... G06Q 20/04	6,148,346	A 11/2000 Hanson
			235/380	6,167,514	A 12/2000 Matsui et al.
5,757,952	A	5/1998	Buytaert et al.	6,173,407	B1 1/2001 Yoon et al.
5,761,480	A	6/1998	Fukada et al.	6,175,922	B1 1/2001 Wang
5,796,394	A	8/1998	Wicks et al.	6,177,926	B1 1/2001 Kunert
5,802,314	A	9/1998	Tullis et al.	6,184,996	B1 2/2001 Gase
5,822,230	A *	10/1998	Kikinis ..... G06F 1/1616	6,189,148	B1 2/2001 Clark et al.
			708/109	6,189,993	B1 2/2001 Mantell
5,826,244	A	10/1998	Huberman	6,192,407	B1 2/2001 Smith et al.
5,831,664	A *	11/1998	Wharton ..... H04N 7/163	6,195,564	B1 * 2/2001 Rydbeck ..... H04M 1/7253
			725/81		370/335
5,832,191	A	11/1998	Thorne	6,199,099	B1 * 3/2001 Gershman ..... G06F 16/9535
5,838,320	A	11/1998	Matthews, III et al.		709/203
5,838,926	A	11/1998	Yamagishi	6,199,106	B1 3/2001 Shaw et al.
5,845,078	A	12/1998	Tezuka et al.	6,201,611	B1 3/2001 Carter et al.
5,852,721	A	12/1998	Dillon et al.	6,205,495	B1 3/2001 Gilbert et al.
5,859,970	A	1/1999	Pleso	6,211,858	B1 * 4/2001 Moon ..... G06F 3/04817
5,862,321	A	1/1999	Lamming et al.		345/173
5,867,633	A	2/1999	Taylor, III et al.	6,215,483	B1 4/2001 Zigmond
5,870,723	A	2/1999	Pare, Jr. et al.	6,215,494	B1 4/2001 Teo
5,880,858	A	3/1999	Jin	6,223,059	B1 * 4/2001 Haestrup ..... G06F 3/0237
5,881,213	A	3/1999	Shaw et al.		345/172
5,884,140	A	3/1999	Ishizaki et al.	6,225,993	B1 5/2001 Lindblad et al.
5,897,260	A	4/1999	Zingher	6,226,098	B1 * 5/2001 Kulakowski ..... H04H 60/65
5,903,832	A	5/1999	Seppanen et al.		348/473
5,907,831	A	5/1999	Lotvin et al.	6,233,611	B1 5/2001 Ludtke et al.
5,911,044	A	6/1999	Lo et al.	6,236,971	B1 5/2001 Stefik et al.
5,916,309	A	6/1999	Brown et al.	6,246,486	B1 6/2001 Takahashi
5,917,542	A *	6/1999	Moghadann ..... H04N 1/00912	6,252,964	B1 6/2001 Wasilewski et al.
			348/231.99	6,255,961	B1 * 7/2001 Van Ryzin ..... H04B 1/202
5,926,104	A	7/1999	Robinson		340/12.22
5,930,466	A	7/1999	Rademacher	6,256,666	B1 7/2001 Singhal
5,931,919	A	8/1999	Thomas et al.	6,263,503	B1 7/2001 Margulis
5,933,498	A	8/1999	Schneck et al.	6,285,357	B1 9/2001 Kushiro et al.
5,937,112	A	8/1999	Herregods et al.	6,285,889	B1 9/2001 Nykanen et al.
5,940,843	A	8/1999	Zucknovich et al.	6,288,790	B1 9/2001 Yellepeddy et al.
5,946,031	A	8/1999	Douglas	6,292,283	B1 9/2001 Grandbois
5,946,110	A	8/1999	Hu et al.	6,324,521	B1 11/2001 Shiota et al.
5,953,546	A	9/1999	Okada et al.	6,330,611	B1 12/2001 Itoh et al.
5,960,162	A	9/1999	Yamamoto	6,360,252	B1 3/2002 Rudy et al.
5,968,176	A	10/1999	Nessett et al.	6,363,149	B1 3/2002 Candelore
5,970,473	A	10/1999	Gerszberg et al.	6,363,452	B1 3/2002 Lach
5,974,401	A	10/1999	Enomoto et al.	6,366,682	B1 4/2002 Hoffman et al.
5,978,560	A	11/1999	Tan et al.	6,366,912	B1 4/2002 Wallent et al.
5,983,200	A	11/1999	Slotznick	6,366,965	B1 4/2002 Binford et al.
5,987,454	A	11/1999	Hobbs	6,369,909	B1 4/2002 Shima
5,993,047	A	11/1999	Novogrod et al.	6,379,058	B1 4/2002 Petteruti et al.
6,006,265	A	12/1999	Rangan et al.	6,385,305	B1 5/2002 Gerzberg et al.
6,009,464	A	12/1999	Hamilton et al.	6,389,010	B1 5/2002 Kubler et al.
6,020,973	A	2/2000	Levine et al.	6,396,598	B1 5/2002 Kashiwagi et al.
6,023,715	A	2/2000	Burkes et al.	6,418,439	B1 7/2002 Papiemiak et al.
6,034,621	A	3/2000	Kaufman	6,421,716	B1 7/2002 Eldridge et al.
6,035,214	A *	3/2000	Henderson ..... G06F 1/1616	6,421,748	B1 7/2002 Lin et al.
			345/905	6,430,599	B1 8/2002 Baker et al.
6,043,898	A	3/2000	Jacobs	6,430,601	B1 8/2002 Eldridge et al.
6,046,820	A	4/2000	Konishi	6,434,535	B1 8/2002 Kupka et al.
6,061,142	A	5/2000	Shim	6,437,786	B1 8/2002 Yasukawa
6,069,707	A	5/2000	Pekelman	6,442,375	B1 8/2002 Parmentier
6,070,185	A	5/2000	Anupam et al.	6,449,052	B1 9/2002 Sherer et al.
6,072,595	A	6/2000	Yoshiura et al.	6,452,692	B1 9/2002 Yacoub
6,076,076	A	6/2000	Gottfreid	6,453,127	B2 9/2002 Wood et al.
6,076,109	A *	6/2000	Kikinis ..... G06F 16/9577	6,467,688	B1 10/2002 Goldman et al.
			709/228	6,473,070	B2 10/2002 Mishra et al.
6,078,906	A	6/2000	Huberman	6,473,800	B1 10/2002 Jerger et al.
6,087,060	A	7/2000	Chase et al.	6,477,575	B1 11/2002 Koepfel et al.
6,088,450	A	7/2000	Davis et al.	6,480,292	B1 11/2002 Sugiyama
6,088,702	A	7/2000	Plantz et al.	6,487,587	B1 11/2002 Dubey
				6,487,599	B1 11/2002 Smith et al.
				6,489,934	B1 * 12/2002 Klausner ..... H04M 1/0272
					345/1.1
				6,493,104	B1 12/2002 Cromer et al.

## US 10,387,087 B2

Page 4

(56)

## References Cited

## U.S. PATENT DOCUMENTS

6,510,515 B1	1/2003	Raith		6,816,724 B1	11/2004	Asikainen	
6,515,988 B1	2/2003	Eldridge et al.		6,819,919 B1	11/2004	Tanaka	
6,519,049 B1	2/2003	Nagasaka		6,826,632 B1	11/2004	Wugofski	
6,526,129 B1	2/2003	Beaton et al.		6,839,775 B1	1/2005	Kao et al.	
6,529,522 B1	3/2003	Ito et al.		6,840,441 B2	1/2005	Monaghan et al.	
6,540,722 B1	4/2003	Boyle et al.		6,850,252 B1	2/2005	Hoffberg	
6,542,173 B1	4/2003	Buckley		6,856,430 B1	2/2005	Gase	
6,542,491 B1*	4/2003	Tari	H04L 29/12311 370/338	6,857,716 B1	2/2005	Nagahashi	
6,545,722 B1	4/2003	Schultheiss et al.		6,859,197 B2	2/2005	Klein et al.	
6,546,387 B1	4/2003	Triggs		6,859,228 B1	2/2005	Chang et al.	
6,546,419 B1	4/2003	Humpleman et al.		6,859,937 B1	2/2005	Narayan et al.	
6,553,240 B1	4/2003	Dervarics		6,873,836 B1	3/2005	Sorrells et al.	
6,553,431 B1	4/2003	Yamamoto et al.		6,889,385 B1	5/2005	Rakib et al.	
6,556,313 B1	4/2003	Chang et al.		6,892,251 B2	5/2005	Anderson et al.	
6,577,861 B2*	6/2003	Ogasawara	G06Q 20/108 370/352	6,895,444 B1	5/2005	Weisshaar et al.	
6,578,072 B2	6/2003	Watanabe et al.		6,904,527 B1	6/2005	Parlour et al.	
6,584,903 B2	7/2003	Jacobs		6,915,124 B1*	7/2005	Kiessling	H04L 63/12 380/247
6,587,835 B1*	7/2003	Treyz	G06Q 20/12 705/14.64	6,922,258 B2	7/2005	Pineau	
6,598,031 B1	7/2003	Ice		6,941,014 B2	9/2005	Lin et al.	
6,600,569 B1	7/2003	Osada et al.		6,947,067 B2	9/2005	Halttunen	
6,601,108 B1	7/2003	Marmor		6,947,995 B2	9/2005	Chang et al.	
6,604,135 B1	8/2003	Rogers et al.		6,952,414 B1	10/2005	Willig	
6,604,148 B1	8/2003	Dennison		6,957,194 B2	10/2005	Stefik et al.	
6,607,314 B1	8/2003	McCannon et al.		6,958,821 B1*	10/2005	McIntyre	G06F 17/30247 358/1.12
6,608,928 B1	8/2003	Queiroz		6,980,319 B2	12/2005	Ohta	
6,618,039 B1	9/2003	Grant et al.		6,983,310 B2	1/2006	Rouse et al.	
6,621,589 B1	9/2003	Al-Kazily et al.		6,990,548 B1	1/2006	Kaylor	
6,622,015 B1	9/2003	Himmel et al.		6,996,555 B2	2/2006	Mute et al.	
6,623,527 B1	9/2003	Hamzy		7,016,062 B2*	3/2006	Ishizuka	G06Q 30/0613 358/1.15
6,628,302 B2	9/2003	White et al.		7,024,200 B2	4/2006	McKenna et al.	
6,628,417 B1	9/2003	Naito et al.		7,025,256 B1	4/2006	Drummond et al.	
6,633,346 B1	10/2003	Yamamoto		7,028,102 B1	4/2006	Larsson et al.	
6,633,395 B1	10/2003	Tuchitoi et al.		7,039,445 B1	5/2006	Yoshizawa	
6,643,650 B1	11/2003	Slaughter et al.		7,058,356 B2	6/2006	Slotznick	
6,654,135 B2	11/2003	Mitani		7,076,534 B1	7/2006	Cleron et al.	
6,658,625 B1	12/2003	Allen		7,088,691 B2	8/2006	Fujita	
6,670,982 B2	12/2003	Clough et al.		7,095,854 B1	8/2006	Ginter et al.	
6,671,068 B1	12/2003	Chang		7,099,304 B2	8/2006	Liu et al.	
6,678,004 B1	1/2004	Schultheiss et al.		7,133,845 B1	11/2006	Ginter et al.	
6,678,751 B1	1/2004	Hays et al.		7,133,846 B1	11/2006	Ginter et al.	
6,690,918 B2*	2/2004	Evans	H04W 8/18 379/201.02	7,143,356 B1	11/2006	Shafir et al.	
6,694,371 B1	2/2004	Sanai		7,149,726 B1	12/2006	Lingle et al.	
6,697,848 B2	2/2004	Hamilton et al.		7,155,163 B2*	12/2006	Cannon	H04L 29/12009 455/41.2
6,701,009 B1	3/2004	Makoto et al.		7,164,885 B2	1/2007	Jonsson et al.	
6,705,781 B2	3/2004	Iwazaki		7,180,614 B1	2/2007	Senoo et al.	
6,707,581 B1	3/2004	Browning		7,187,947 B1	3/2007	White et al.	
6,711,677 B1	3/2004	Wiegley		7,197,531 B2*	3/2007	Anderson	H04N 1/00148 348/207.1
6,725,281 B1	4/2004	Zintel et al.		7,203,721 B1	4/2007	Ben-Efraim et al.	
6,735,616 B1	5/2004	Thompson et al.		7,237,253 B1	6/2007	Blackketter et al.	
6,738,841 B1	5/2004	Wolff		7,239,346 B1	7/2007	Priddy	
6,741,871 B1	5/2004	Silverbrook et al.		7,239,868 B2	7/2007	Furukawa et al.	
6,745,229 B1	6/2004	Gobin et al.		7,263,270 B1	8/2007	Lapstun et al.	
6,748,195 B1*	6/2004	Phillips	H04M 1/72569 370/338	7,272,788 B2	9/2007	Anderson et al.	
6,750,978 B1	6/2004	Marggraff et al.		7,318,086 B2	1/2008	Chang et al.	
6,751,732 B2	6/2004	Strobel et al.		7,346,374 B2	3/2008	Witkowski et al.	
6,753,978 B1	6/2004	Chang		7,348,961 B1	3/2008	Shneidman	
6,757,070 B1	6/2004	Lin et al.		7,349,955 B1	3/2008	Korb et al.	
6,760,745 B1	7/2004	Tan et al.		7,359,714 B2	4/2008	Parupudi et al.	
6,775,407 B1	8/2004	Gindele et al.		7,360,230 B1	4/2008	Paz et al.	
6,778,289 B1	8/2004	Iwata		7,366,468 B2*	4/2008	Yoshida	H04N 1/00307 348/714
6,785,727 B1	8/2004	Yamazaki		7,370,090 B2	5/2008	Nakaoka et al.	
6,788,332 B1	9/2004	Cook		7,376,583 B1	5/2008	Rolf	
6,788,428 B1	9/2004	Shimokawa		7,403,510 B1	7/2008	Miyake	
6,789,228 B1	9/2004	Merril et al.		7,428,575 B1	9/2008	Motoyama	
6,798,530 B1*	9/2004	Buckley	G06F 3/1204 358/1.1	7,451,195 B1	11/2008	Seligmann	
6,801,692 B2	10/2004	Nishimura et al.		7,454,796 B2*	11/2008	Mazzagatte	G06F 3/1204 726/17
				7,460,853 B2	12/2008	Toyoshima	
				7,477,890 B1	1/2009	Narayanaswami	

# 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.