EXHIBIT G

DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

AS PATENT AND TRADE		ADA Document 111-6 Filed t and Trademark Office	_	TMENT OF COMMERCE Trademark Office 'OR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/549,213	07/13/2012	David F. SORRELLS	19200.1.1.1.2.2.1.1	4930
22913 7590 08/05/2013			EXAMINER	
Workman Nyc 60 East South		BHATTACHARYA, SAM		
Suite 1000 Salt Lake City, UT 84111			ART UNIT	PAPER NUMBER
	,		2646	
				
			NOTIFICATION DATE	DELIVERY MODE
			08/05/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing@wnlaw.com

Case 6:22-cv-01162-ADA Docu	Iment 111-6 Filed 07/12 Application No. 13/549,213	Applicant(4 Page 3 of 6 Applicant(s) SORRELLS ET AL.	
Office Action Summary	Examiner Sam Bhattacharya	Art Unit 2646	AIA (First Inventor to File) Status No	
The MAILING DATE of this communication app Period for Reply	bears on the cover sheet with t	the corresponde	nce address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS e, cause the application to become ABANE	FION. be timely filed from the mailing date DONED (35 U.S.C. §	of this communication. 133).	
Status				
 Responsive to communication(s) filed on A declaration(s)/affidavit(s) under 37 CFR 1. 				
	s action is non-final.	<u>.</u>		
3) An election was made by the applicant in resp		ent set forth du	ring the interview on	
; the restriction requirement and election	n have been incorporated into	this action.	-	
4) Since this application is in condition for allowa	•	•		
closed in accordance with the practice under I	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213	5.	
Disposition of Claims 5)⊠ Claim(s) <u>1-18</u> is/are pending in the application				
5a) Of the above claim(s) is/are withdra 6) ☐ Claim(s) is/are allowed.	wn from consideration.			
7) Claim(s) <u></u> is/are anowed. 7) Claim(s) <u>1-8</u> is/are rejected.				
8) Claim(s) $9-18$ is/are objected to.				
9) Claim(s) are subject to restriction and/o				
* If any claims have been determined <u>allowable</u> , you may be e	-	-	jhway program at a	
participating intellectual property office for the corresponding a http://www.uspto.gov/patents/init_events/pph/index.jsp or send		•		
Application Papers				
10) The specification is objected to by the Examine	er.			
11) The drawing(s) filed on <u>13 July 2012</u> is/are: a)		-		
Applicant may not request that any objection to the				
Replacement drawing sheet(s) including the correc	tion is required if the drawing(s) i	s objected to. Se	e 37 GFR 1.121(d).	
Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreigr	nriority under 35 U.S.C. & 11	$Q(a)_{-}(d)$ or (f)		
Certified copies:				
a) All b) Some * c) None of the:				
1. Certified copies of the priority documer				
2. Certified copies of the priority documen				
3. Copies of the certified copies of the prid application from the International Burea	-		alional Stage	
* See the attached detailed Office action for a list o		I.		
Attachment(s)				
1) X Notice of References Cited (PTO-892)	3) 🔲 Interview Sum	mary (PTO-413)		
2) X Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/M	ail Date		
OCKET				
A K M Find authenticated court doo	cuments without watermarks	at <u>docketalarm</u>	<u>n.com</u> .	

Application/Control Number: 13/549,213 Art Unit: 2646 Page 2

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-18 are rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Arpaia

et al. (US 6,192,225).

Regarding claim 1, Arpaia discloses a system for frequency down-converting a modulated carrier signal (FIG. 5), comprising: a first switch, a first aperture signal, and a first energy storage element that down-converts said modulated carrier signal according to a first control signal and outputs a down-converted in-phase signal portion of said modulated carrier signal; a second switch, a second aperture signal, and a second energy storage element that down-converts said modulated carrier signal and outputs a down-converted in second energy storage element that down-converts said modulated carrier signal according to a second control signal and outputs a down-converted in-phase signal portion of said modulated carrier signal (col. 4, lines 21-50); and a first differential amplifier circuit that combines said down-converted in-phase signal portion with said inverted in-phase signal portion and outputs a first channel down-converted differential in-phase signal (col. 5, lines 31-50).

Regarding claim 2, Arpaia discloses that said second control signal is delayed by 0.5+n cycles of said first control signal, wherein n comprises zero (0) or any integer greater than or equal to 1 after the occurrence of said first control signal (col. 4, lines 21-50).

Regarding claim 3, Arpaia discloses that the first and second aperture signal period is two (2) percent or greater of the modulated carrier period (col. 5, lines 4-20).

Case 6:22-cv-01162-ADA Document 111-6 Filed 07/12/24 Page 5 of 6

Application/Control Number: 13/549,213 Art Unit: 2646

Regarding claim 4, Arpaia discloses that the first and second aperture signal period is five (5) percent or greater of the modulated carrier period (col. 5, lines 4-20).

Regarding claim 5, Arpaia discloses that the first and second aperture signal period is ten (10) percent or greater of the modulated carrier period (col. 5, lines 4-20).

Regarding claim 6, Arpaia discloses that the first and second aperture signal period is twelve and a half (12.5) percent or greater of the modulated carrier period (col. 5, lines 4-20).

Regarding claim 7, Arpaia discloses a first filter that filters said down-converted in-phase signal portion; and a second filter that filters said down-converted inverted in-phase signal portion (col. 5, lines 51-62).

Regarding claim 8, Arpaia discloses that the first and second filters each comprise a lowpass filter (col. 5, lines 51-62).

Allowable Subject Matter

3. Claims 9-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to disclose that a third switch, a third aperture signal, and a third energy storage element that down-converts said modulated carrier signal according to a third control signal and outputs a down-converted quadrature-phase signal portion of said modulated carrier signal; a fourth switch, a forth aperture signal, and a fourth energy storage element that downconverts said modulated carrier signal according to a fourth control signal and outputs a down-

DOCKET A L A R M



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.