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NOTICE OF ALLOWANCE AND FEE(S) DUE

29053

08/22/2008

FULBRIGHT & JAWORSKI L.L.P 2200 ROSS AVENUE SUITE 2800 DALLAS, TX 75201-2784

7590

ZEWDU, MELESS NMN

ART UNIT PAPER NUMBER

2617 DATE MAILED: 08/22/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/199,586	08/08/2005	Xiaodong Li	68144/P014C1/10503148	1128

TITLE OF INVENTION: OFDMA WITH ADAPTIVE SUBCARRIER-CLUSTER CONFIGURATION AND SELECTIVE LOADING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	11/24/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:	If the SMALL ENTITY is shown as NO:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.	A. Pay TOTAL FEE(S) DUE shown above, or
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or	B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Page 1 of 3

Exhibit No. 2002 Kyocera v. Adaptix, Inc. Case No. IPR2015-00318

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885

appropriate. All further	correspondence includin ed below or directed oth	ng the Patent, advance of	rders and notification of a) specifying a new corr	maintenance fees w espondence address;	vill be m and/or	nailed to the current (b) indicating a sepa	nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
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DALLAS, TX 7	5201-2784		F				(Depositor's name)
			-				(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R		NEY DOCKET NO.	CONFIRMATION NO.
11/199,586 TITLE OF INVENTION	08/08/2005 : OFDMA WITH ADAI	PTIVE SUBCARRIER-C	Xiaodong Li LUSTER CONFIGURA	TION AND SELEC		P014C1/10503148 DADING	1128
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nonprovisional	YES	\$720	\$300	\$0		\$1020	11/24/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
ZEWDU, ME		2617	455-447000				
The Address" ind PTO/SB/47; Rev 03-0 Number is required.	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Com	" Indication form red. Use of a Customer A TO BE PRINTED ON T		ively, gle firm (having as a agent) and the nam orneys or agents. If e printed. ype) patent. If an assign assignment.	es of up no name	$\begin{array}{c} r a & 2 \\ to \\ v is & 3 \end{array}$	ocument has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent) :	Individual 🛛 Co	orporatio	on or other private gro	up entity 📮 Government
	are submitted: To small entity discount [# of Copies	 D. Payment of Fee(s): (Plance) A check is enclosed. Payment by credit caracteristic overpayment, to Deposite overpayment, to Deposite overpayment. 	ard. Form PTO-2038 ov authorized to char	is attac	hed. equired fee(s), any def	,	
	s SMALL ENTITY state	us. See 37 CFR 1.27.	b. Applicant is no lo				R 1.27(g)(2). e assignee or other party in
interest as shown by the	records of the United Sta	ites Patent and Trademark	c Office.	uie applicant, a regi	stored at	aorney of agent, of a	
Authorized Signature				Date			
Typed or printed name				Registration N	lo		
This collection of inform an application. Confiden submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu Virginia 22313-1450. DO	CFR 1.311. The informatio U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is e r depending upon the ind e Chief Information Offi COMPLETED FORMS	retain a benefit by t stimated to take 12 r ividual case. Any co cer, U.S. Patent and FO THIS ADDRESS	he public minutes omments Tradema S. SEND	c which is to file (and to complete, includin, on the amount of tin ark Office, U.S. Depa 'TO: Commissioner f	by the USPTO to process) g gathering, preparing, and e you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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UNITED STATES PATENT AND TRADEMARK OFFICE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov							
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2200 ROSS AVEN	IUE		ART UNIT	PAPER NUMBER			
SUITE 2800 DALLAS, TX 75201-2784			2617 DATE MAILED: 08/22/200	8			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	11/199,586	LI ET AL.					
Notice of Allowability	Examiner	Art Unit					
	Meless N. Zewdu	2617					
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in t or other appropriate commun IGHTS. This application is su	his application. If not incluc ication will be mailed in due	led e course. THIS				
1. 🔀 This communication is responsive to <u>8/4/08</u> .							
2. 🔀 The allowed claim(s) is/are <u>1-4, 8, 12-20, 23, 26-27, 30-33</u>	, 37, 43-48, 52, 55-56, 58 and	<u>' 60</u> .					
 3. ☐ Acknowledgment is made of a claim for foreign priority up a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 	e been received.						
 Certified copies of the priority documents have Copies of the certified copies of the priority do 			ation from the				
International Bureau (PCT Rule 17.2(a)).	cuments have been received	in this hational stage applica					
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) 🔲 including changes required by the Notice of Draftspers	-	(PTO-948) attached					
1)							
(b) including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in	n the Office action of					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in f			e back) of				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
 Attachment(s) 1.	6.	rmal Patent Application nmary (PTO-413), lail Date mendment/Comment tatement of Reasons for All	owance				
of Biological Material	9. □ Other						

DETAILED ACTION

Response to Amendment

1. This action is in response to the communication filed on 8/4/08.

2. Claims 5-6, 9-11, 21-22, 24-25, 28, 34-35, 38-42, 50-51, 57, 59 and 61 were previously cancelled.

3. Claims 7, 29, 35, 49 and 62 have been canceled in the current amendment.

4. Thus, claims 5-7, 9-11, 21-22, 24-25, 28-29, 34-36, 38-42, 49-51, 53-54, 57, 59 and 61-62 have been cancelled.

5. Claims 1-4, 8, 12-20, 23, 26-27, 30-33, 37, 43-48, 52, 55-56, 58 and 60 are pending in this action and are allowed.

6. In response to the instant amendment all previous claim objections and rejections under 35 U.S.C 35 have been withdrawn.

7. In response to the instant amendment, all nonstatutory double patenting rejections henceforth provided have been withdrawn.

Examiner's Remark/s

On page 8, in the **<u>REMARKS</u>** section of the current response, applicant has indicated that claim 7 is one of the pending claims and left out claim 8 unaccounted. However, the index of the claims shows claim 7 as canceled and claim 8 as pending. Examiner considers this discrepancy as a typographical error and thus considers claim

7 as has been canceled and claim 8 as pending. In other words, the index of the claims is considered and taken as the overriding presentation of the pending claims.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Please amend the claims as follows:

In claim 1, insert a first comma or (,) after the word 'information' on line 10, and a second comma or (,) after the word 'subcarriers' on line 11.

Allowable Subject Matter

Claims 1-4, 8, 12-20, 23, 26-27, 30-33, 37, 43-48, 52, 55-56, 58 and 60 are allowed.

The following is an examiner's statement of reasons for allowance:

As per claim 1-4, 8, 12-20, 23, 26-27, 30-33, 37, 43-48, 52, 55-56, 58 and 60: the claims are directed to the known area of sub-carrier/sub-channel allocation and/or selection. The prior art of record does not teach or fairly suggest, a base station

selecting a set of candidate sub-carriers for use by a subscriber unit and sending to the subscriber unit an indication of the selection, and the subscriber unit, after receiving the selected sub-carriers and the selection indication, submitting updated feedback information to be allocated an updated set of sub-carriers and thereafter the subscriber unit receiving another indication of the updated set of sub-carriers, as recited, particularly, in claims 1 and 30; and a base station allocating a first portion of a plurality of sub-carriers to a subscriber unit and allocating a second portion of sub-carriers to the same subscriber unit, after allocating to each subscriber unit in the cell, so as to increase the bandwidth allocated to the same subscriber unit, as recited in claims 58 and 60.

A US patent (US 6,473,467 B1) issued to Wallace et al. and discovered during the update search has been made of the record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meless N. Zewdu whose telephone number is (571) 272-7873. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bost Dwayne D can be reached on (571) 272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry of a general nature relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

/Meless N Zewdu/ Primary Examiner, Art Unit 2617 8/23/2008