



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

29391 7590 10/02/2009

BEUSSE WOLTER SANKS MORA & MAIRE, P. A.
390 NORTH ORANGE AVENUE
SUITE 2500
ORLANDO, FL 32801

EXAMINER: WIMER, MICHAEL C
ART UNIT: 2821
PAPER NUMBER:
DATE MAILED: 10/02/2009

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

11/252,248 10/17/2005 Frank M. Caimi D053/069987-061 6602

TITLE OF INVENTION: METHOD AND APPARATUS FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional YES \$755 \$300 \$0 \$1055 01/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. 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 THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. 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:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
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

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE 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.

**PART B - FEE(S) TRANSMITTAL**

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

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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.

29391                      7590                      10/02/2009

**BEUSSE WOLTER SANKS MORA & MAIRE, P. A.**  
 390 NORTH ORANGE AVENUE  
 SUITE 2500  
 ORLANDO, FL 32801

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

11/252,248                      10/17/2005                      Frank M. Caimi                      D053/069987-061                      6602

TITLE OF INVENTION: METHOD AND APPARATUS FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
-------------	--------------	---------------	---------------------	----------------------	------------------	----------

nonprovisional                      YES                      \$755                      \$300                      \$0                      \$1055                      01/04/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
----------	----------	----------------

WIMER, MICHAEL C                      2821                      343-861000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_
- 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE                      (B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) :     Individual     Corporation or other private group entity     Government

4a. The following fee(s) are submitted:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 11/252,248, 10/17/2005, Frank M. Caimi, D053/069987-061, 6602
Row 2: 29391, 7590, 10/02/2009, [Empty], [Empty]
Row 3: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 4: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 5: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 6: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 7: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 8: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 9: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 10: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 11: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 12: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 13: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 14: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 15: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 16: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 17: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 18: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 19: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 20: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 21: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 22: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 23: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 24: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 25: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 26: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 27: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 28: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 29: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 30: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 31: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 32: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 33: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 34: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 35: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 36: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 37: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 38: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 39: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 40: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 41: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 42: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 43: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 44: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 45: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 46: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 47: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 48: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 49: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 50: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 51: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 52: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 53: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 54: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 55: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 56: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 57: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 58: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 59: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 60: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 61: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 62: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 63: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 64: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 65: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 66: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 67: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 68: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 69: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 70: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 71: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 72: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 73: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 74: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 75: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 76: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 77: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 78: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 79: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 80: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 81: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 82: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 83: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 84: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 85: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 86: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 87: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 88: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 89: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 90: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 91: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 92: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 93: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 94: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 95: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 96: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 97: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 98: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 99: [Empty], [Empty], [Empty], [Empty], [Empty]
Row 100: [Empty], [Empty], [Empty], [Empty], [Empty]

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 164 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 164 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.

**Notice of Allowability**

<b>Application No.</b> 11/252,248	<b>Applicant(s)</b> CAIMI ET AL.	
<b>Examiner</b> Michael C. Wimer	<b>Art Unit</b> 2821	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY 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.

- 1.  This communication is responsive to the amendment filed 6/23/2009.
- 2.  The allowed claim(s) is/are 4, 10, 12, 13, 15-20 and 25.
- 3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All   b)  Some\*   c)  None   of the:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_ .
    - 3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* 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 submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  - 5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
    - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 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.  Notice of References Cited (PTO-892)
- 2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
- 4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
- 5.  Notice of Informal Patent Application
- 6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_ .
- 7.  Examiner's Amendment/Comment
- 8.  Examiner's Statement of Reasons for Allowance
- 9.  Other \_\_\_\_\_.

/Michael C. Wimer/  
Primary Examiner, Art Unit 2821