TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(c))

Docket No.
15689.61

In Re Application Of: Yukihiro Okumura et al.
SEP 2, 3 2004

Application No. 09/701,705 Filing Date December 1, 2000
Customer No. 022913 Group Art Unit 2661 Confirmation No. Unknown

Title: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Technology Center 2600

SEP 2, 9 2004

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☑ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(a) or 1.97(h))

In Re Application: Yukihiko Okumura et al.

Application No. 09/701,705
Filing Date December 1, 2000
Customer No. Unknown
Group Art Unit 22913
Confirmation No. Unknown

Title: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, FADING FREQUENCY DECISION DEVICE AND METHOD

Docket No. 15689.61

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

☐ A check in the amount of is attached.
☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178
as described below.

☐ Charge the amount of
☒ Credit any overpayment.
☒ Charge any additional fee required.

☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. )

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

☐ This certificate may only be used if paying by deposit account.

Signature

Adrian J. Lee
Reg. No.: 42,785
Attorney for Applicant

Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

Dated: September 23, 2004

CC:
This Page Blank (uspto)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
Yukihiko OKUMURA et al.

Serial No.: 09/701,705
Filing Date: December 1, 2000
For: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FAADING FREQUENCY DECISION DEVICE AND METHOD
Customer No.: 022913

ART UNIT 2661

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which
the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).


Respectfully submitted,

[Signature]

Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913
This Page Blank (uspto)
CERTIFICATE OF MAILING BY "EXPRESS MAIL." (37 CFR 1.10)
Applicant(s): Yukihiko Okumura et al.

Application No. 09/701,705
Filing Date December 1, 2004
Examiner Unknown
Customer No. 022913 Group Art Unit 2661

Invention: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD

RECEIVED
SEP 2 9 2004

Technology Center 2600

I hereby certify that the following correspondence:
(see below)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 23, 2004
(Date)

Adrian J. Lee
(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 525475142 US
("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

Transmittal for Information Disclosure Statement (2 pages; duplicate);
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
Form PTO-1449 Listing of References (1 page);
Legible Copy of References; (3 references)
Certificate of Express Mail (EV 525475142US);
Acknowledgment Postcard
This Page Blank (uspto)
**U.S. PATENT DOCUMENTS**

<table>
<thead>
<tr>
<th>EXAMINER INITIAL</th>
<th>REF</th>
<th>DOCUMENT NUMBER</th>
<th>DATE</th>
<th>NAME</th>
<th>CLASS</th>
<th>SUBCLASS</th>
<th>FILING DATE IF APPROPRIATE</th>
</tr>
</thead>
</table>

**U.S. PATENT APPLICATION PUBLICATIONS**

**FOREIGN PATENT DOCUMENTS**

<table>
<thead>
<tr>
<th>REF</th>
<th>DOCUMENT NUMBER</th>
<th>DATE</th>
<th>COUNTRY</th>
<th>CLASS</th>
<th>SUBCLASS</th>
<th>Translation</th>
</tr>
</thead>
</table>

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

<table>
<thead>
<tr>
<th>REF</th>
<th>DOCUMENT NUMBER</th>
<th>DATE</th>
<th>COUNTRY</th>
<th>CLASS</th>
<th>SUBCLASS</th>
<th>Translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>CHANNEL ESTIMATION FILTER USING TIME-MULTIPLEXED PILOT CHANNEL FOR COHERENT RAKE COMBINING IN DS-CDMA MOBILE RADIO</td>
<td>July 1998</td>
<td>Hidehiro Andoh, Mamoru Sawahashi, and Fumiyuki Adachi</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
This Page Blank (uspto)