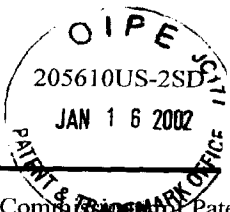


Atty Docket No.:

205610US-2SD

FORM PTO-1595
1-31-92



01-23-2002



1-1602

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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1. Name of conveying party(ies):

Communications Research Laboratory, Ministry of Posts and Telecommunications

2. Name and address of receiving party(ies):

Name: Communications Research Laboratory, Independent Administrative Institution

Address: 4-2-1 Nukui-Kitamachi, Koganei-shi, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other - Restructuring of Governmental Agencies of Japan

Execution Date: January 6, 2001

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

| | |
|------------|------------|
| 09/263,214 | 09/594,556 |
| 09/296,467 | 09/629,887 |
| 09/363,405 | 09/636,508 |
| 09/457,780 | 09/704,610 |

B. Patent No.(s)

| | | |
|-----------|-----------|-----------|
| 4,584,581 | 4,899,367 | 5,581,267 |
| 4,543,579 | 4,961,143 | 5,450,040 |
| 4,761,650 | 5,036,330 | 5,982,245 |
| 4,837,582 | 5,109,164 | 6,304,689 |
| 4,904,943 | 5,086,415 | 6,263,146 |
| 5,012,212 | 5,379,110 | 6,246,295 |

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:



22850

6. Total applications and patents involved: 26

7. Total fee (37 CFR 3.41): \$1,040.00

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PATENT
REEL: 012475 FRAME: 0704

証 明 書

平成 13 年 11 月 27 日

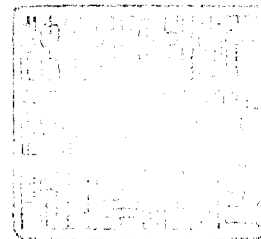
米国特許商標庁長官殿

郵政省通信総合研究所名義の米国特許権及び米国特許出願は、中央省庁再編に伴い2001年1月6日に総務省通信総合研究所に所管換えされ、その後独立行政法人化に伴い2001年4月1日に独立行政法人通信総合研究所に所轄換えされたことに相違ないことを証明する。

住所： 日本国東京都小金井市貫井北町4-2-1

名称： 独立行政法人通信総合研究所

理事長 飯 田 尚 志



[Translation]

CERTIFICATE

TO: Commissioner of the United States Patents and Trademarks Office

November 27, 2001

I certify that the patents and applications registered and pending at the United States Patent and Trademark Office in the name of Communications Research Laboratory, Ministry of Posts and Telecommunications had been succeeded to Communications Research Laboratory, Ministry of Public Management, Home Affairs, Posts and Telecommunications as from January 6, 2001 in compliance with the Reform of Central Ministries and Agencies, and thereafter have been succeeded to Communications Research Laboratory, Independent Administrative Institution as from April 1, 2001 in compliance with Independent Administrative Institutionalization.

Address: 4-2-1 Nukui-Kitamachi, Koganei-shi, Tokyo, JAPAN

Name: Takashi IIDA of President of Communications Research Laboratory,
Independent Administrative Institution

PATENT
REEL: 012475 FRAME: 0706

DECLARED TRANSLATIONS

I, Masaki Uchiyama of Fukuda Patent Office of Kashiwaya Bldg. 2F, 6-13 Nishi-Shimbashi 1 chome, Minato-ku, Tokyo, Japan hereby certify that I am the translator of the CERTIFICATE issued by the President of Communications Research Laboratory, Independent Administrative Institution and certify that following is a true translation of the best of my knowledge and belief.

The undersigned declarant declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 or Title of the United States Code and that such willful false statement may jeopardize the validity the translation.

November 28, 2001

Date

Masaki Uchiyama

Signature

Masaki UCHIYAMA

Name