

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sandeep Kanumuri</td> <td>09/18/2008</td> </tr> <tr> <td>Onur G Guleryuz</td> <td>10/08/2008</td> </tr> <tr> <td>M. Reha Civanlar</td> <td>09/18/2008</td> </tr> <tr> <td>Akira Fujibayashi</td> <td>10/06/2008</td> </tr> <tr> <td>Choong S. Boon</td> <td>10/06/2008</td> </tr> </tbody> </table>		Name	Execution Date	Sandeep Kanumuri	09/18/2008	Onur G Guleryuz	10/08/2008	M. Reha Civanlar	09/18/2008	Akira Fujibayashi	10/06/2008	Choong S. Boon	10/06/2008
Name	Execution Date												
Sandeep Kanumuri	09/18/2008												
Onur G Guleryuz	10/08/2008												
M. Reha Civanlar	09/18/2008												
Akira Fujibayashi	10/06/2008												
Choong S. Boon	10/06/2008												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	DOCOMO Communications Laboratories USA, Inc.												
<b>Street Address:</b>	3240 Hillview Avenue												
<b>City:</b>	Palo Alto												
<b>State/Country:</b>	CALIFORNIA												
<b>Postal Code:</b>	94304												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12233468</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12233468								
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Application Number:	12233468												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(408)720-8383												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	(408) 720-8300												
<b>Email:</b>	james_macneil@bstz.com												
<b>Correspondent Name:</b>	Blakely, Sokoloff, Taylor & Zafman												
<b>Address Line 1:</b>	1279 Oakmead Pkwy.												
<b>Address Line 4:</b>	Sunnyvale, CALIFORNIA 94085												
<b>ATTORNEY DOCKET NUMBER:</b>	6655.P144												
<b>NAME OF SUBMITTER:</b>	Michael J. Mallie, Reg. No. 36,591												

CH \$40.00 12233468

**Total Attachments: 5**

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**Recordation Form Cover Sheet  
PATENTS ONLY**

Attorney Docket No.: 6655.P144

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **Sandeep Kanumuri;**  
**Onur G. Guleryuz; M. Reha Civanlar;**  
**Akira Fukibayashi; Choong S. Boon**

2. Name and address of receiving party(ies):  
Name: DoCoMo Communications Laboratories  
USA, Inc.

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

Internal Address: \_\_\_\_\_

3. Nature of Conveyance  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:

Street Address: 3240 Hillview Avenue

City: Palo Alto State/Province: CA Zip: 94304-1201

Country: United States

Execution Date(s): 12/02/2008

Additional name(s) & 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)  
12/233,468

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

6. Total number of applications and patents involved:  1

Name: Blakely, Sokoloff, Taylor & Zafman LLP  
Internal Address: \_\_\_\_\_  
Street Address: 1279 Oakmead Parkway  
Sunnyvale, California 94085-4040

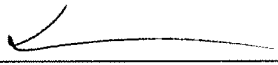
7. Total Fee (37 CFR 3.41).....\$ 40  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account Number:  
02-2666  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Michael J. Mallie, Reg. No. 36,591  
Name of Person Signing

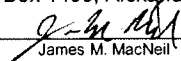
  
Signature

12/2/08  
Date

Total number of pages including cover sheet, attachments, and documents:  5

**CERTIFICATE OF ELECTRONIC FILING**

I hereby certify that this paper is being transmitted online via EFS Web to the Patent and Trademark Office, Commissioner for Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450, on December 2, 2008.

  
James M. MacNeil December 2, 2008

Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

Attorney's Docket

**ASSIGNMENT**

PATENT

No.: 006655.P144 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we,  
the undersigned, Sandeep Kanumuri, Onur G. Guleryuz, and M. Reha Civanlar,  
hereby sell, assign, and transfer to DOCOMO Communications Laboratories USA, Inc.  
a corporation of Delaware, having a principal place of business at  
3240 Hillview Avenue, Palo Alto, California 94304 USA, ("Assignee"),  
and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
United States and all foreign countries, in and to any and all improvements that are disclosed in  
the application for the United States patent that was filed September 18, 2008 and assigned  
Application No. 12/233,468 and is entitled

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TEMPORAL PROCESSING

and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on  
any of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions that have been or shall be issued in the United States and all  
foreign countries on said improvements; and in and to all rights of priority resulting from the  
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the  
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in  
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional  
applications, continuation applications, continued prosecution applications, continuation-in-part  
applications, substitute applications, renewal applications, reissue applications, reexaminations,  
extensions, and all other patent applications on any and all said improvements; execute all  
rightful oaths, assignments, powers of attorney, and other papers; communicate to said  
Assignee, its successors, assigns, and representatives all facts known to the undersigned  
relating to said improvements and the history thereof; and generally assist said Assignee, its  
successors, assigns, or representatives in securing and maintaining proper patent protection  
for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and  
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no  
assignment, grant, mortgage, license, or other agreement affecting the rights and property  
herein conveyed has been made to others by the undersigned, and that full right to convey the  
same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

<u>09/18</u> , 2008 Date	<u>K. Sandeep</u> Name: Sandeep Kanumuri
<u>10/8</u> , 2008 Date	<u>[Signature]</u> Name: Onur G. Guleryuz
<u>9/18/2008</u> , 2008 Date	<u>[Signature]</u> Name: M. Reha Civanlar
_____, 20____ Date	_____ Name:
_____, 20____ Date	_____ Name:
_____, 20____ Date	_____ Name:

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

<u>09/18</u> , 2008 Date
<u>10/8</u> , 2008 Date
<u>9/18/</u> , 2008 Date
_____, 20____ Date
_____, 20____ Date
_____, 20____ Date

Assignment Document Return Address:  
 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
 1279 Oakmead Parkway  
 Sunnyvale, CA 94085-4040  
 (408) 720-8598

Attorney's Docket

**ASSIGNMENT**

**PATENT**

No.: 006655.P144 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we  
the undersigned, Akira Fujibayashi and Choong S. Boon,  
hereby sell, assign, and transfer to NTT DOCOMO, Inc.  
a corporation of Japan, having a principal place of business at  
Sanno Park Tower, 11-1, Nagata-cho, 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan,  
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and  
interest for the United States and all foreign countries, in and to any and all improvements that  
are disclosed in the application for the United States patent that was filed September 18,  
2008 and assigned Application No. 12/233,468 and is entitled

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and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on  
any of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions that have been or shall be issued in the United States and all  
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filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the  
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in  
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional  
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applications, substitute applications, renewal applications, reissue applications, reexaminations,  
extensions, and all other patent applications on any and all said improvements; execute all  
rightful oaths, assignments, powers of attorney, and other papers; communicate to said  
Assignee, its successors, assigns, and representatives all facts known to the undersigned  
relating to said improvements and the history thereof; and generally assist said Assignee, its  
successors, assigns, or representatives in securing and maintaining proper patent protection  
for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and  
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no  
assignment, grant, mortgage, license, or other agreement affecting the rights and property  
herein conveyed has been made to others by the undersigned, and that full right to convey the  
same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

<u>10/06</u> , 2008 Date	<u>Akira Fujibayashi</u> Name: Akira Fujibayashi
<u>10/06</u> , 2008 Date	<u>Be Sent</u> Name: Choong S. Boon
_____, 20____ Date	_____ Name:
_____, 20____ Date	_____ Name:
_____, 20____ Date	_____ Name:
_____, 20____ Date	_____ Name:

**Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:**

<u>10/06</u> , 2008 Date
<u>10/06</u> , 2008 Date
_____, 20____ Date
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