

7/25/05

08-02-2005

REC



EET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent And Trademark Office

To the Honorable Commissioner F.

103052842

al documents or copy thereof:

1. Name of conveying party(ies):

Shimon Edelhaus

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_

Execution Date: July 25, 2005

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

Name: Centillum Communications, Inc.

Internal Address:

Street Address: 215 Fourier Avenue

City: Fremont

State: CA Zip: 94539

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: July 25, 2005

A. Patent Application No.(s):

07/29/2005 DTESSEM1 00000005 11190085

06 FC:8021

B. Patent No.(s):

40.00 DP

Additional numbers attached?  Yes  No

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

Name: Robert A. Hulse  
Internal Address: Fenwick & West LLP  
Street Address: Silicon Valley Center  
801 California Street  
City: Mountain View State: CA Zip Code: 94041

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):

Check Enclosed  
 Fee Transmittal Enclosed  
 Charge the indicated fees to the below mentioned deposit account.

8. Deposit Account No.: 19-2555

DO NOT USE THIS SPACE

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.*

Robert A. Hulse, Reg. No. 48,473

Name of Person Signing

Signature

July 25, 2005

Date

Total number of pages including cover sheet, attachments, documents: 2

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Case Docket No.: 21676-10339

21676/10339/SF/5148008

PATENT  
REEL: 016817 FRAME: 0641

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Centillum Communications, Inc., a Delaware corporation, having a place of business at 215 Fourier Avenue, Fremont, California 94539, for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **COMMUNICATION DEVICE FOR OBTAINING AN APPLICATION IMAGE OR CONFIGURATION FROM A SERVICE PROVIDER** ("APPLICATION"), which is to be filed herewith. The APPLICATION claims priority from a provisional application, filed on July 26, 2004, now bearing U.S. application serial number 60/591,310.

2. The entire worldwide right, title, and interest in and to:  
 (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

SHIMON EDELHAUS

Name and Signature

Date of  
Signature

Shimon Edelhaus

09/25/2005

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Centillium Communications, Inc., a Delaware corporation, having a place of business at 215 Fourier Avenue, Fremont, California 94539, for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **COMMUNICATION DEVICE FOR OBTAINING AN APPLICATION IMAGE OR CONFIGURATION FROM A SERVICE PROVIDER** ("APPLICATION"), which is to be filed herewith. The APPLICATION claims priority from a provisional application, filed on July 26, 2004, now bearing U.S. application serial number 60/591,310.

2. The entire worldwide right, title, and interest in and to: (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

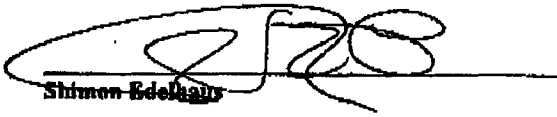
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

SHIMON EDELHAUS

Name and Signature

  
Shimon Edelhaus

Date of Signature

07/25/2005