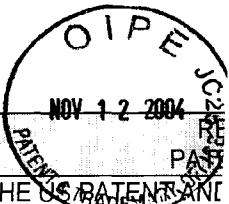


BOX ASSIGNMENTS



11-17-2004

DO NOT USE FOR TRADEMARKS



102883058

TO THE DIRECTOR OF THE U.S. PATENT AND
SIR: PLEASE RECORD THE ATTACHED ORIGINAL...

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Rudolf O. ERNST

2. Pun Sing LUI

3.

4.

5.

6.

7.

8.

9.

11-12-04

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: PIXIA CORP.

ADDRESS: 45615 Willow Pond Plaza, Sterling, Virginia 20164

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: November 8, 2004

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
10/263,930	0290981				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 8021)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 0290981

RN-101 (CIP)

UNDER ORDER NO

074501

0290981

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

9. 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.

Signature

Attorney: Jack S. Barufka

Reg. No. 37087

Date: November 12, 2004

Atty/Sec: JSB:ntb

TEL: (703) 905-2012

FAX: (703) 905-2500

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

3

FILE WITH PTO RETURN RECEIPT (PAT-103A)

11/17/2004 GTOM11 00000015 033975 10263930

01 FC:8021 40.00 DA

ASSIGNMENT
of U.S. Origin Patent Application

WHEREAS, the undersigned, to wit:

- | | |
|---------------------------|------------------------|
| 1) <u>Rudolf O. Ernst</u> | 2) <u>Pun Sing LUI</u> |
| 3) _____ | 4) _____ |
| 5) _____ | 6) _____ |
| 7) _____ | 8) _____ |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 074501/0290981

and entitled: DATA STORAGE AND RETRIEVAL SYSTEM AND METHOD (AS AMENDED)

for which an application for Letters Patent of the United States

was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

was filed on October 3, 2002, Appln. No. 10/263,930 ;

AND WHEREAS PIXIA CORP.

(hereinafter ASSIGNEE), duly organized and existing under the laws of the State of Delaware

and having its principal office and place of business at 45615 Willow Pond Plaza, Sterling, Virginia 20164

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

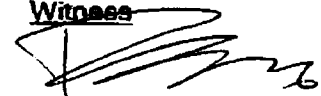
Signature

Date Signed

Witness


1) 
Name: Rudolf O. Ernst

11/8/04



2) 
Name: Pun Sing LUI

11/08/04



3) _____
Name: _____

4) _____
Name: _____

5) _____
Name: _____

6) _____
Name: _____

7) _____
Name: _____

8) _____
Name: _____
