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10/02/2009

Docket No.: PD080085

10-15-2009

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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original.

103577201

1. Name of conveying party(ies):

Joachim KNITTEL  
Frank PRZYGODDA

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

Name: THOMSON LICENSING

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

X No

Street Address: 46 Quai A. Le Gallo  
F-92100 Boulogne-Billancourt, France

3. Nature of convenience:

X Assignment  
Security Agreement  
OtherMerger  
Change of Name

Execution Date: July 2 and July 2, 2009

Additional name(s) &amp; address(es) attached?

X N

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 2 and July 2, 2009

A. Patent Application No.(s):

B. Patent No.(s)

Additional numbers attached?

Yes

No

X

5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: ROBERT D. SHEDD  
Internal Address: PATENT OPERATIONS  
THOMSON LICENSING LLC  
SUITE 200

Street or PO Address: P. O. Box 5312

City: PRINCETON State: NEW JERSEY Zip: 08543-5312

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

Enclosed

X Authorized to be charged to deposit account

8. Deposit account number:

07-0832

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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  
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Jeffrey M. Navon

Name of Person Signing

Signature

32,711

Reg. No.

Date

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10/14/2009 DBYRNE 00000021 070032 12587182  
01 FC:0021 40.00 DAPATENT  
REEL: 023378 FRAME: 0046

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT**

WHEREAS Joachim Knittel, Lenaustr. 32, 78532 Tuttlingen, Germany; Frank Przygodda, Benediktinerring 3, 78050 Villingen, Germany; hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to

**HOLOGRAPHIC STORAGE SYSTEM WITH IMPROVED DATA PAGE QUALITY**

for which said assignor has caused an application for United States Letters Patent to be prepared, the specification of which was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_, or, if not identified here by filing date and serial number, the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

**AND WHEREAS**

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F-92100 Boulogne-Billancourt  
France

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this x 2 day of x July, 2009.

WITNESSES: B

Signature: x B Escher

Name: x Beate Escher  
Address: Brighton Rd 13  
4101 Highgate Hill, Australia

ASSIGNOR:

Signature: x J Knittel

Name: Joachim Knittel

Signature: x Paul Knittel

Name: x Paul Knittel  
Address: Brighton Rd 13  
4101 Highgate Hill, Australia

EXECUTED, this x 2 day of x July, 2009.

WITNESSES:

Signature: x

Name: x  
Address: x

ASSIGNOR:

Signature: x

Name: Frank Przygodda

Signature: x

Name: x  
Address: x

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT**

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EXECUTED, this x day of x, 2009.

WITNESSES:

Signature: x

Name: x  
Address: x

ASSIGNOR:

Signature: x

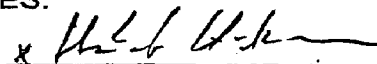
Name: Joachim Knittel

Signature: x

Name: x  
Address: x

EXECUTED, this x 2 day of x July, 2009.

WITNESSES:


Signature: x 

Name: Herbert Hölzemann  
Address: Farnweg 2  
78048 Villingen

ASSIGNOR:

Signature: x 

Name: Frank Przygodda

Signature: x 

Name: x Oliver Malki  
Address: Mühlackerweg 10  
78176 Fützen