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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

HORVATIC, Petar  
SCHIFFNER, Norbert

2. Name and address of receiving party(ies)

Fraunhofer-Gesellschaft zur Foerderung  
Name: der angewandten Forschung e.V.

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

3. Nature of conveyance:

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80686 Muenchen

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Execution Date: 11/25/2003

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

03/38151

If this document is being filed together with a new application, the execution date of the application is: 11/25/2003

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Gordon E. Nelson, Patent Attorney

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

[fax - 1-866-723-0359]

Street Address: 57 Central St., PO Box 782

City: Rowley State: MA Zip: 01969

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40

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9. Signature.

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Name of Person Signing

*Gordon E. Nelson*  
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11/26/2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
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## ASSIGNMENT OF INVENTION

Attorney docket no: fraunh01.041

Patent office ID:

Inventors: Petar Horvatic  
Norbert Schiffner

Application execution date:

Application filing date:

**Title:** *Watermarking digital representations that have undergone lossy compression*

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to:

**Fraunhofer –Gesellschaft zur Forderung der angewandten forschung e.V.**

a corporation of Germany having a place of business at Hansastrabe 27C, 80686 Munchen, Germany, its successors and assigns, his or her entire right, title and interest, including any rights of priority, in any invention or improvement that is disclosed in the above-identified patent application and any and all other applications, either United States or foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States or foreign countries which may be obtained on any of said applications, and in any reissue or extension of such patents (together "Interest").

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent Office and any foreign patent office to issue said Letters Patent to said assignee.

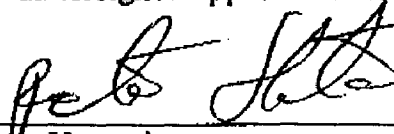
The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrants himself or herself to be the owner of his or her Interest and to have the right to assign his or her Interest, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on his or her Interest.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said consideration the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to

cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted as fully and entirely as the same would have been held by the undersigned if this assignment had not been made.

In witness of the above Assignment, each of the undersigned appends his or her signature thereto:

  
\_\_\_\_\_

Peter Horvatic

11/25/03  
Date

  
\_\_\_\_\_

Norbert Schiffner

11/25/03  
Date