

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE: RN ACQUISITION CORP. Should be ASSIGNEE: REALNETWORKS, INC. previously recorded on Reel 027595 Frame 0173. Assignor(s) hereby confirms the VIVO SOFTWARE, INC..										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> <tr> <td>Vivo Software, Inc.</td> <td>03/24/1998</td> </tr> </table>		Name	Execution Date	Vivo Software, Inc.	03/24/1998						
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Vivo Software, Inc.	03/24/1998										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>RealNetworks, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>2601 Elliott Avenue, Suite 1000</td> </tr> <tr> <td>City:</td> <td>Seattle</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98121</td> </tr> </table>		Name:	RealNetworks, Inc.	Street Address:	2601 Elliott Avenue, Suite 1000	City:	Seattle	State/Country:	WASHINGTON	Postal Code:	98121
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PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> <tr> <td>Application Number:</td> <td>08940191</td> </tr> </table>		Property Type	Number	Application Number:	08940191						
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Application Number:	08940191										
CORRESPONDENCE DATA											
<p>Fax Number: (206)217-2201</p> <p>Phone: 2062172200</p> <p>Email: patents@aeonlaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Adam L.K. Philipp</p> <p>Address Line 1: 1218 3rd Avenue, Suite 2100</p> <p>Address Line 4: Seattle, WASHINGTON 98101</p>											
ATTORNEY DOCKET NUMBER:	RN047D1 CORRECTIVE ASSIGN										
NAME OF SUBMITTER:	Adam L.K. Philipp										
<p>Total Attachments: 5</p> <p>source=08332535#page3.tif</p> <p>source=08332535#page4.tif</p> <p>source=08332535#page5.tif</p> <p>source=08332535#page6.tif</p> <p>source=08332535#page7.tif</p>											

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ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, Vivo Software, Inc., (hereinafter referred to "Assignor"), a Massachusetts corporation, having its principal place of business at 411 Waverly Oaks Road, Waltham, Massachusetts, 02154, hereby sells, assigns and transfers to RealNetworks, Inc. (hereinafter referred to as "Assignee"), a Washington corporation, having its principal place of business at 1111 Third Avenue, Suite 2900, Seattle, Washington 98101, its successors, assigns and legal representatives, the entire right, title and interest in and to the patents and patent applications listed on the attached Schedule, and in and to said inventions disclosed therein and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which 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 and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and further including the right to apply for patents thereon in foreign countries in the name of Assignee; and all right, title and interest of Assignor in and to all foreign applications and patents related to any United States Patent application listed on the attached Schedule.

Assignor agrees that Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications in 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

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Doc ID: N-100321 Ver: 1 44588-00037
3/20/98 CES

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P.O. Box 10000, FOURTH AVENUE PLAZA, SUITE 4500
SEATTLE, WASHINGTON 98154-1005

REEL: 9257 FRAME: 0386

the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall reasonably consider desirable for aiding in securing and maintaining patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents in said improvements, in said Assignee, its successors, assigns, and representatives.

Executed at WALTHAM, MA, this 24 day of
MARCH, 1998

Vivo Software, Inc.,

By:

Mark Bretl
Mark Bretl
Chief Operating Officer

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Graham & James LLP/Riddell Williams P.S.

PATENT
1000 FIRST AVENUE PLAZA, SUITE 4500
SEATTLE WASHINGTON 98101-1065

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1 STATE OF MA)
2 COUNTY OF Middlesex) ss.

3 I certify that I know or have satisfactory evidence that Mark Bretl is the person
4 who appeared before me, and said person acknowledged that he signed this instrument,
5 on oath stated that he was authorized to execute the instrument and acknowledged it as
6 the Chief Operating Officer of Vivo Software, Inc. to be the free and voluntary act of
7 such party for the uses and purposes mentioned in the instrument.

8 DATED: 3/24, 1998.

9 (Seal or stamp)

Jane E. Spencer
Notary Signature

JANE E. SPENCER

Print/Type Name

Notary Public in and for the State of MA

residing at 133 Hayward Mill Rd Concord MA

My appointment expires 3/22/02

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1201 FOURTH AVENUE PLAZA, SUITE 4500
SEATTLE, WASHINGTON 98154-1055
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REEL: 027608 FRAME: 0151

Schedule

List of Issued Patents and Patent Applications to be Assigned to Assignee

Method and Apparatus For Performing Fast Discrete Cosine Transforms and Fast Inverse Discrete Cosine Transforms Using Look-Up Tables.

Bernd Girod and Staffan Ericsson

US Appl. No.: 08/125,590

Date: 9/23/93

Parallel Processing of Digital Signals in a Single Arithmetic/Logic Unit.

Staffan Ericsson, John Bruder and Bernd Girod

US Patent No.: 5,689,592

Date: 11/18/97

Computer Teleconferencing Method and Apparatus.

Oliver Jones, Mary Deshon, Staffan Ericsson and James Flach

US Patent No.: 5,587,928

Date: 12/24/96

Method and Apparatus for Applying Gamma Predistortion to a Color Image Signal.

Bernd Girod

US Patent No.: 5,565,931

Date: 10/15/96

Method and Apparatus for Performing Fast Reduced Coefficient Discrete Cosine Transforms.

Bernd Girod and Staffan Ericsson

US Patent No.: 5,712,809

Date: 01/27/98

Image Signal Coder Operating at Reduced Spatial Resolution.

Bernd Girod and Staffan Ericsson

US Appl. No.: 08/504,631

Date: 06/07/95

Method and Apparatus for Enhancing Images Using Helper Signals.

Bernd Girod and Edward Adelson

US Appl. No.: 08/480,169

Date: 06/07/95

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REEL: 027608 FRAME: 0152

Method for Watermarking a Compressed Digital Video Signal.

Bernd Girod and Frank Hartung

US Appl. No.: 08/710,246

Date: 09/13/96

**Method and Apparatus for Providing Scalable Pre-Compressed Digital Video with
Reduced Quantization Based Artifacts.**

Bernd Girod and Staffan Ericsson

US Appl. No.: 08/753,618

Date: 11/27/96

RECORDED: 06/18/1998

PATENT
REEL: 9257 FRAME: 0390

RECORDED: 01/27/2012

PATENT
REEL: 027608 FRAME: 0153