

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NanoGram Corporation	05/21/2013
RECEIVING PARTY DATA	
Name:	NeoPhotonics Corporation
Street Address:	2911 Zanker Road
Internal Address:	Intellectual Property Department
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 5	
Property Type	Number
Patent Number:	5938979
Patent Number:	6080337
Patent Number:	7112449
Patent Number:	6193936
Patent Number:	6508855
CORRESPONDENCE DATA	
Fax Number:	4084562971
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	408 321-5060
Email:	bderuyter@neophotonics.com
Correspondent Name:	Barbara deRuyter
Address Line 1:	2911 Zanker Road
Address Line 2:	Intellectual Property Department
Address Line 4:	San Jose, CALIFORNIA 95134
ATTORNEY DOCKET NUMBER:	NG 2012 - 5 CASES

CH \$200.00 5938979

NAME OF SUBMITTER:	Barbara deRuyter
Signature:	/Barbara deRuyter/
Date:	06/04/2013
Total Attachments: 3 source=Executed 2012 NanoGram Assignment#page1.tif source=Executed 2012 NanoGram Assignment#page2.tif source=Executed 2012 NanoGram Assignment#page3.tif	

ASSIGNMENT

WHEREAS, NanoGram Corporation ("Assignor"), a Delaware Corporation, and having its principal offices at 165 Topaz Street, Milpitas, California, 95035, is the owner of patents and patent applications listed in the Attachment.

WHEREAS, NeoPhotonics Corporation("Assignee"), a Delaware Corporation, having its principal offices at 2911 Zanker Road, San Jose, California 95134, is desirous of acquiring the entire right, title and interest in and to the patents and patent applications listed in the attachment.

NOW, THEREFORE, for good and valuable consideration to Assignor in hand given to the Assignee, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer unto the said Assignee, its successors and assigns, its entire right, title and interest in and to the patents and applications listed in the attachments as well as all applications claiming priority to said patents and patent applications including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of its rights under the International Convention, and Assignor does hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith, along with all claims for damages and injunctive relief by reason of infringement of such letters patent with the right to sue for past infringement, and collect the damages for its own use and behalf and for the use and behalf of its successors, assigns or other legal representation.

Assignor further authorizes said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration Assignor does hereby covenant and agree with the said Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these presents, and that Assignor or its executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, Assignor and Assignee have caused execution by the respective duly authorized representatives as dated below.

ASSIGNOR: NanoGram Corporation

Date: 5/7/2013

[Signature]
Signature

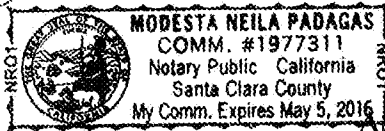
TORU HANADA
Name Printed or Typed

president
Title

Subscribed to and sworn to before me this 7 day of May, 2013.

[Signature]
Notary Public

Notary Seal



ASSIGNEE: NeoPhotonics Corporation

Date: 21 MAY 2013

[Signature]
Signature

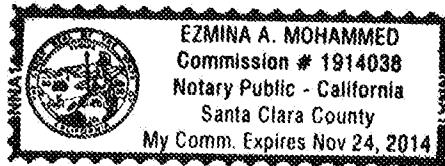
T.S. JENKS
Name Printed or Typed

CEO
Title

Subscribed to and sworn to before me this 21st day of May, 2013.

[Signature]
Notary Public

Notary Seal



ATTACHMENT

Patents and Patent Applications Assigned by NanoGram to NeoPhotonics Under Attached Assignment Agreement

1. U.S. Patent 5,938,979 "Electromagnetic Shielding"
2. U.S. Patent 6,080,337 "Iron Oxide Particles"
3. China Patent ZL 98810604.3 "Electromagnetic Shielding"
4. European Patent EP 1027819B "Electromagnetic Shielding"
5. Japanese Patent 4184598 "Electromagnetic Shielding"
6. U.S. Patent 7,112,449 "Combinatorial Chemical Synthesis"
7. Japanese Patent Application 2001-576428 "Combinatorial Chemical Synthesis"
8. Korean Patent 0778731 "Combinatorial Chemical Synthesis"
9. U.S. Patent 6,193,936 "Reactant Delivery Apparatuses"
10. U.S. Patent 6,508,855 "Reactant Delivery Apparatuses"
11. China Patent ZL 99813806.1 "Reactant Delivery Apparatuses"
12. Japanese Patent 4524410 "Reactant Delivery Apparatuses"