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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

Name	Execution Date
NORTHWESTERN UNIVERSITY	06/26/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14439252

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PATENT 503381302 REEL: 036074 FRAME: 0450

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Invention Title: Projected Beam Pen Lithography for Benchtop High Resolution Maskless Photolithography of Large Areas

Inventor(s): Xing Liao; Wooyoung Shim; Chad A. Mirkin; Shu He; Keith A. Brown; Guoliang Liu; Abrin L. Schmucker; Daniel J Eichelsdoerfer; Boris Rasin

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Patent or Application Serial No.: 14/439,252

Grant/Contract Number(s): Parent Invention EIR: 6144601-12-0042: DMR1124131; N66001-08-1-2044; FA2386-10-1-4065 Parent Invention EIR

Child Invention EIR 6144601-12-0045 Additional grant numbers: FA2386-10-1-4065; FA9550-12-1-0280; FA9550-12-1-0141; DBI1152139; CA151880

Foreign Applications filed/intended in (countries): __China, Singapore, European Community

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 26th day of June, 2015.

By Alicia I. Löffler, Ph.D. (Institutional Business Official) (Signature)

Title Associate Provost, Associate Vice President for Research, and Executive Director INVO

For NORTHWESTERN UNIVERSITY (Grantee/Contractor Organization)

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PATENT REEL: 036074 FRAME: 0451

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