

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Francesco P Curra	10/13/2011
Peter J Kaczowski	06/10/2011
Neil R Owen	06/23/2011
RECEIVING PARTY DATA	
Name:	Washington, University of
Street Address:	4311 11th Avenue NE
Internal Address:	Suite 500
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98105-4608
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13158299
CORRESPONDENCE DATA	
Fax Number:	(206)359-7198
Phone:	(206)359-8000
Email:	assignmentconfirmations@perkinscoie.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Perkins Coie LLP
Address Line 1:	P.O. Box 1247
Address Line 2:	Patent - SEA
Address Line 4:	Seattle, WASHINGTON 98111-1247
ATTORNEY DOCKET NUMBER:	72227-8026US01
NAME OF SUBMITTER:	Joan Schmeichel

OP \$40.00 13158299

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PATENT
REEL: 027199 FRAME: 0038

Total Attachments: 12

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ASSIGNMENT BY INVENTORS

This Assignment is by Francesco P. Curra; Peter J. Kaczowski; and Neil R. Owen (the "Assignors"), residing at 3333 224th Place SW, Brier, Washington 98036; 5318 Wallingford Ave. N, Seattle, Washington 98103; and 21308 38th Avenue SE, Bothell, Washington 98021, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in (1) a U.S. Provisional Patent Application entitled MULTILAYER ULTRASOUND TRANSDUCER FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION, and filed on June 10, 2010 as U.S. Provisional Patent Application No. 61/353,582; and (2) a Patent application for Letters Patent of the United States entitled MULTILAYER ULTRASOUND TRANSDUCER DEVICES FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION AND ASSOCIATED SYSTEMS AND METHODS, and filed on June 10, 2011 as U.S. Patent Application No. 13/158,299 (the "Applications").

University of Washington, a university of the State of Washington having a place of business at 4311 11th Avenue NE, Suite 500, Seattle, Washington 98105-4608 ("Assignee"), through its Center for Commercialization, desires to acquire the entire right, title and interest in and to the Invention(s) and the Applications, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Applications, and any Patents; any divisions, continuations, and continuations-in-part of either of the Applications and any other application claiming priority rights from either or both of the Applications; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from either or both of the Applications (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary

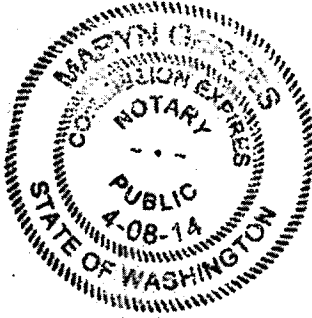
or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 10-13-2011

Francesco P. Curra
Francesco P. Curra

United States of America)
State of Washington) ss.:
County of King)

On this 13th day of October, 2011 before me personally came Francesco P. Curra, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Maryn Correia
Notary Public

Date: _____

Peter J. Kaczowski

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, 2011, before me personally came Peter J. Kaczowski, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Date: _____

Neil R. Owen

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, 2011, before me personally came Neil R. Owen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

ASSIGNMENT BY INVENTORS

This Assignment is by Francesco P. Curra; Peter J. Kaczowski; and Neil R. Owen (the "Assignors"), residing at 3333 224th Place SW, Brier, Washington 98036; 5318 Wallingford Ave. N, Seattle, Washington 98103; and 21308 38th Avenue SE, Bothell, Washington 98021, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in (1) a U.S. Provisional Patent Application entitled **MULTILAYER ULTRASOUND TRANSDUCER FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION**, and filed on June 10, 2010 as U.S. Provisional Patent Application No. 61/353,582; and (2) a Patent application for Letters Patent of the United States entitled **MULTILAYER ULTRASOUND TRANSDUCER DEVICES FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION AND ASSOCIATED SYSTEMS AND METHODS**, executed concurrently herewith, naming the Assignors as inventors, and filed on June 10, 2011 as U.S. Patent Application No. 13/158,299 (the "Applications"). The Assignors authorize the Assignee, identified below, or its representatives to insert in the appropriate space above the application number and filing date when known.

University of Washington, a university of the State of Washington having a place of business at 4311 11th Avenue NE, Suite 500, Seattle, Washington 98105-4608 ("Assignee"), through its Center for Commercialization, desires to acquire the entire right, title and interest in and to the Invention(s) and the Applications, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

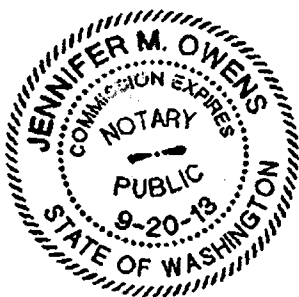
For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Applications, and any Patents; any divisions, continuations, and continuations-in-part of either of the Applications and any other application claiming priority rights from either or both of the Applications; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from either or both of the Applications (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree

Date: 6/10/2011

Peter J. Kaczowski
Peter J. Kaczowski

United States of America)
State of WA) ss.:
County of King)

On this 10th day of June, 2011, before me personally came Peter J. Kaczowski, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Jennifer M. Owens
Notary Public

My commission expires 9-20-13

ASSIGNMENT BY INVENTORS

This Assignment is by Francesco P. Curra; Peter J. Kaczkowski; and Neil R. Owen (the "Assignors"), residing at 3333 224th Place SW, Brier, Washington 98036; 5318 Wallingford Ave. N, Seattle, Washington 98103; and 21308 38th Avenue SE, Bothell, Washington 98021, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in (1) a U.S. Provisional Patent Application entitled MULTILAYER ULTRASOUND TRANSDUCER FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION, and filed on June 10, 2010 as U.S. Provisional Patent Application No. 61/353,582; and (2) a Patent application for Letters Patent of the United States entitled MULTILAYER ULTRASOUND TRANSDUCER DEVICES FOR HIGH POWER TRANSMISSION AND WIDE-BAND RECEPTION AND ASSOCIATED SYSTEMS AND METHODS, and filed on June 10, 2011 as U.S. Patent Application No. 13/158,299 (the "Applications").

University of Washington, a university of the State of Washington having a place of business at 4311 11th Avenue NE, Suite 500, Seattle, Washington 98105-4608 ("Assignee"), through its Center for Commercialization, desires to acquire the entire right, title and interest in and to the Invention(s) and the Applications, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Applications, and any Patents; any divisions, continuations, and continuations-in-part of either of the Applications and any other application claiming priority rights from either or both of the Applications; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from either or both of the Applications (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary

or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: _____
_____ Francesco P. Curra

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, 2011 before me personally came Francesco P. Curra, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public


Date: _____
Peter J. Kaczowski

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, 2011, before me personally came Peter J. Kaczowski, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Date: 23 June 2011

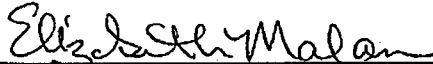


Neil R. Owen

United States of America)
State of Washington) ss.:
County of Snohomish)

On this 23rd day of June, 2011, before me personally came Neil R. Owen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public
State of Washington
ELIZABETH MALAN
MY COMMISSION EXPIRES
September 03, 2013



Notary Public Elizabeth Malan