PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BINZHANG SHEN	12/15/2010
JAMES APGAR	12/15/2010
OLEG BOURGI	12/15/2010
R. MICHAEL RAAB	12/15/2010

RECEIVING PARTY DATA

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Street Address:	200 BOSTON AVENUE
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State/Country:	MASSACHUSETTS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13818928

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Total Attachments: 5	
DATE SIGNED:	01/14/2015
SIGNATURE:	/Douglas J. Bucklin/
NAME OF SUBMITTER:	DOUGLAS J. BUCKLIN
ATTORNEY DOCKET NUMBER:	AGR-PT013.1US

Total Attachments: 5

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> PATENT REEL: 034709 FRAME: 0257

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Atty. Docket No. AGR-PT013

ASSIGNMENT

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Binzhang Shen, a citizen of China, residing at 23-Clairement Road, left unit, Belmont, MA, 02478; James Apgar, a citizen of the United States of America, residing at 9 Claremon Street, Apt 2, Somerville, MA, 02144; Oleg Bougri, a citizen of Russia, residing at 2017 Mortimer Drive, Boise, ID, 83712 and R. Michael Raab, a citizen of the United States of America, residing at 35 Wall Street, Arlington, MA 02476 (hereafter jointly and severally referred to as the undersigned), are the inventors of

CELLULOSIC PROCESSING TRAIT DEVELOPMENT USING A

THERMOREGULATED, INTEIN-MODIFIED XYLANASE

for which the undersigned have filed a provisional application for United States Letters Patent, U.S. Patent Application No. 61/377,759, filed August 27, 2010.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

Agrivida, Inc., a corporation, having a principal place of business at 200 Boston Avenue, Suite 3100, Medford, MA 02155, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the provisional application for United States Letters Patent entitled as above, and all non-provisional applications claiming the benefit thereof, and divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all

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instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this	5th day of December	, 2010
at Med-ford, MASS	·	
(Place)		
Witness:		
	Los Sle	> (T.Q.)

State of

SS.

County of

On this 15th day of December 1, 2010 before me personally appeared Binzhang Shen, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

My Commission Expires:

<u> Zlue M. Canık—</u> Notary Public

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EXECUTED under seal on this 15	day of December	, 2010
at Mcd Fold, MA		
(Place)		
Witness:	James Apgar	(L.S.)
State of		
County of		·
On this <u>15</u> day of <u>Delubee</u> James Apgar, to me known to be the person foregoing instrument, and acknowledged the willingly and for the purposes therein contains.	described herein and who execute at he executed the same knowingl	ed the
Witness my hand and Notarial seal the	day and year immediately above w	ritten

.

Notary Public

My Commission Expires:



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REEL: 034709 FRAME: 0260

	JTED under seal on	this day or	f Decombe		, 2010
(Place	,				
Witness:				A	
		$\frac{Ofe}{\text{Oleg}}$	Bougri Bough	2 ·	_(L.S.)

State of

SS.

County of

On this 15th day of Della 2010 before me personally appeared Oleg Bougri, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Notary Public

My Commission Expires:



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REEL: 034709 FRAME: 0261

EXECUTED	under seal on this 15th day of December, 2010
at <u>Medford</u>	<u>, 11/2</u> .
(Place)	
Witness:	R. Michael Raab
State of	ss.
County of	
R. Michael Raab, to r foregoing instrumen	day of Declinoer, 2010 before me personally appeared ne known to be the person described herein and who executed the t, and acknowledged that he executed the same knowingly and purposes therein contained.
Witness my ha	and and Notarial seal the day and year immediately above written.
	Elac M Janino- Notary Public
My Commission Exp	-

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