#### 502667842 02/05/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2714449

SUBMISSION TYPE:		NEW ASSIGNMENT			
	ON TYPE: NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PART	Y DATA				
N			ame	Execution Date	
LESZEK NIEWMIE	RZYCKI			11/18/2004	
RECEIVING PARTY	/ DATA				
Name:	MATTSON T	ECHNO	DLOGY, INC.		
Street Address:	47131 BAYS	IDE PA	RKWAY		
City:	FREMONT				
State/Country:	CALIFORNIA	4			
Postal Code:	94538				
Property					
Property	Туре		Number		
Application Numbe	r:	141734	100		
CORRESPONDENC Fax Number: Phone:		4993859	)		
Email:			@comcast.net		
Correspondence will be sent via US Mail when the email attempt is unsuccessful.					
Correspondent Name: PRITZKAU PATENT GROUP, LLC					
Address Line 1: 993 GAPTER ROAD  Address Line 4: BOULDER, COLORADO 80303					
		JEDEIN,			
ATTORNEY DOCKET NUMBER: MAT-16D2					
NAME OF SUBMITTER:			ALYSSA BEYER		
Signature:			/Alyssa Beyer/		
Date:		02/05/2014			
Dato.					

Total Attachments: 8 **PATENT** 

**REEL: 032147 FRAME: 0385** 502667842

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PATENT REEL: 032147 FRAME: 0386

## ASSIGNMENT

(Not Accompanying the Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged the undersigned, Leszek Niewmierzycki, David Barker, Daniel J. Devine, Michael Kuhlman, Ryan Pakulski, Hongqing Shan and Martin Zucker:

- (1) hereby sells, assigns, and transfers to Mattson Technology, Inc. a Delaware corporation having a place of business at 47131 Bayside Parkway, Fremont, CA 94538, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and that is entitled LOW COST HIGH THROUGHPUT PROCESSING PLATFORM and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that 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 that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;
- (2) agrees that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on 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 the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and
- (3) covenants with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor:	Please S	Sign and Date Below:
11-18- Date	_, 2004	Name: Leszek Niewmierzycki
Date	_, 2004	Name: <u>David Barker</u>
Dec. 2	_, 2004	Name: Daniel J. Devine
//-/8 Date	_, 2004	Name: Michael Kuhlman
11 - 29 Date	_, 2004	Name: Ryan Pakulski
12-2 Date	_, 2004	Name: Hongqing Shan
11-29 — Date	, 2004	yame: Martin Zucker

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:				
11-18 Date	, 2004			
Date	, 2004			
DEU. 2 Date	, 2004			
//-/B  Date	, 2004			
1(-29 Date	, 2004			
12 - 2 Date	, 2004			
11-29 - Date	, 2004			

# Assignment Document Return Address:

**Customer Number 21833** Pritzkau Patent Group, LLC

993 Gapter Road Boulder, Colorado 80303 (303) 499-3859

State of: California  State of: California  SS.  SS.  LISA NALETT  Commission # 1322652  Notary Public - California & Alameda County  My Comm. Expires Sep 29, 2005
On this 12 day of November 2004, before me, Lisa National Modern Pablic the undersigned Notary Public, personally appeared Leszek Niewmierzycki [ Tpersonally known to me [ ] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument, an acknowledged that (he/she executed it.  WITNESS my hand and official seal.  Notary's Signature
State of:
On this day of, 2004, before me,, the undersigned Notary Public, personally appeared <u>David Barker</u> [] personally known to me [] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) <u>is</u> subscribed to the within instrument, and acknowledged that <u>he/she</u> executed it.  WITNESS my hand and official seal.
Notary's Signature
State of: California  SS.  County of: Alameda  SS.  LISA NALETT  Commission # 1322652  Notary Public - California  Alameda County  My Corne Opines Sep 29, 2005
On this day of

State of: Ciclifornia  SSS.  SS.  LISA NALETT Commission # 1322652 Notary Public - California Alameda County My Comm. Cubines Sep 29, 2005
On this 18 day of November 2004, before me, Usa Nalett, Notary Public the undersigned Notary Public, personally appeared Michael Kuhlman [ ] personally known to me [ ] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged that he she executed it.  WITNESS my hand and official seal.  Notary's Signature
State of: California }  County of: A lameda }  SS.   Lisa Nalett   Commission # 1322652   Notary Public - California & Alarneda County   My Comm. Expired Sep 29, 2005
On this
State of: California  SS.  County of: Alameda  SS.  LISA NALETT Commussion # 1322652 Notary Public - California Alameda County My Comm. Expires Sep 29, 2005
On this day of day of 2004, before me, ISA Walett Notary Pablic, the undersigned Notary Public, personally appeared Hongqing Shan [ personally known to me [] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged that he executed it.  WITNESS my hand and official seal.  Notary's Signature
State of: California }SS.

Page 3 of 4

Assignment/Att. Doc. MAT-16

PATENT REEL: 032147 FRAME: 0389

County of: Alameda }				
				ar i.
On this 39 day of November 2004, before me, _	Lisa	WHEAL	Notary	Public
the undersigned Notary Public, personally appeared Marti	in Zucker [	personally k	cnown to me [	_] proved to me or
the basis of satisfactory evidence to be the person(s) whose	e name(s) is	subscribed to the	he within instru	ment, and
acknowledged that he/she executed it.				
WITNESS my hand and official seal.				
_ Tha react				
Notary's Signature				

## ASSIGNMENT

(Not Accompanying the Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged the undersigned, Leszek Niewmierzycki, David Barker, Daniel J. Devine, Michael Kuhlman, Ryan Pakulski, Hongqing Shan and Martin Zucker:

- (1) hereby sells, assigns, and transfers to Mattson Technology, Inc. a Delaware corporation having a place of business at 47131 Bayside Parkway, Fremont, CA 94538, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and that is entitled LOW COST HIGH THROUGHPUT PROCESSING PLATFORM and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that 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 that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;
- (2) agrees that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on 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 the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and
- (3) covenants with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor:	Please Sign	n <u>and Date</u> Below:
	_, 2004	
Date		Name: Leszek Niewmierzycki
12/4	, 2004	David Hall
Date	, 2001	Name: David Barker
	, 2004	
Date		Name: <u>Daniel J. Devine</u>
	_, 2004	
Date		Name: Michael Kuhlman
	, 2004	
Date		Name: <u>Ryan Pakulski</u>
	, 2004	
Date		Name: Hongqing Shan
	, 2004	
Date		Name: Martin Zucker

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:			
Date	_, 2004		
10/1	., 2004		
Date	_, 2004		

Assignment Document Return Address:
Customer Number 21833
Pritzkau Patent Group, LLC 993 Gapter Road Boulder, Colorado 80303 (303) 499-3859

State of:	} } SS.
County of:	}
to me on the basis of satisfactory evidence to acknowledged that <u>he/she</u> executed it. WITNESS my hand and official seal.	before me,, peared <u>Leszek Niewmierzycki</u> [] personally known to me [] proved be the person(s) whose name(s) <u>is</u> subscribed to the within instrument, and
Notary's Signature	
State of: California  County of: Contra Costa	} ss. }
On this day of Ceandar, 2004, the undersigned Notary Public, personally ap the basis of satisfactory evidence to be the peacknowledged that he seemed and official seal.  Notary's Signature	peared David Barker   personally known to me   x   proved to me on erson(s) whose name(s) is subscribed to the within instrument, and  G. HORTON  Commission # 1474359
State of:	_} } SS. _}
On this day of, 2004 the undersigned Notary Public, personally ap on the basis of satisfactory evidence to be th acknowledged that he/she executed it. WITNESS my hand and official seal.  Notary's Signature	, before me,, operated <u>Daniel J. Devine</u> [] personally known to me [] proved to me e person(s) whose name(s) <u>is</u> subscribed to the within instrument, and
- · · · · · · · · · · · · · · · · · · ·	

Page 2 of 4

State of:	
County of:	SS.
On this day of, 2004, the undersigned Notary Public, personally appropriate on the basis of satisfactory evidence to be the acknowledged that <a href="he/she">he/she</a> executed it. WITNESS my hand and official seal.	before me,, peared Michael Kuhlman [] personally known to me [] proved to me person(s) whose name(s) is subscribed to the within instrument, and
Notary's Signature	
State of:	} } SS. }
On this day of, 2004, the undersigned Notary Public, personally ap the basis of satisfactory evidence to be the peacknowledged that he/she executed it.  WITNESS my hand and official seal.  Notary's Signature	before me,
State of:	_} } SS. _}
on the basis of satisfactory evidence to be the acknowledged that <u>he/she</u> executed it. WITNESS my hand and official seal.	b, before me,, ppeared Hongqing Shan [] personally known to me [] proved to me the person(s) whose name(s) is subscribed to the within instrument, and
Notary's Signature	
State of:	} } SS.

Page 3 of 4

County of:	}		
e e			
the undersigned Notary	Public, personally appeared Martin 2 evidence to be the person(s) whose name executed it.	Zucker [] personally known to me [name(s) is subscribed to the within instr	, proved to me on rument, and
Notary's Signa	ature		

Page 4 of 4