## 504653849 11/21/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4700570

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALGIRD MICHAEL GUDAITIS	11/21/2017
NIRANJAN PUTTASWAMY	11/21/2017
SHEETHAL SOMESH NAYAK	11/21/2017
RAYMOND KIRK PRICE	11/21/2017
JOHN ALLEN TARDIF	11/21/2017

#### **RECEIVING PARTY DATA**

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15820356

#### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: BELLEVUE, WASHINGTON 98004

NAME OF SUBMITTER:NOEMI TOVARSIGNATURE:/NOEMI TOVAR/DATE SIGNED:11/21/2017	ATTORNEY DOCKET NUMBER:	MS1-9138US
	NAME OF SUBMITTER:	NOEMI TOVAR
<b>DATE SIGNED:</b> 11/21/2017	SIGNATURE:	/NOEMI TOVAR/
	DATE SIGNED:	11/21/2017

**Total Attachments: 10** 

PATENT REEL: 044195 FRAME: 0888

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PATENT REEL: 044195 FRAME: 0889

Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

I Algird Michael GUDAN	<u>IS</u> ("ASSIGNOR") am the c	riginal inventor or an origina
joint inventor of subject matt	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "DYNAMIC	SUPPLY VOLTAGE CONTRO	OL CIRCUIT FOR LASER DIODE
("APPLICATION"), which:		
will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	representative, Microsoft	
LLC., One Mic	rosoft Way, Redmond	, Washington 98052
(ASSIGNEE'S LEG		to insert here in
parentheses (file	d on November 21, 2017	and given Application
No. <u>15/820,356</u>	by the following Offi	ce <u>"US - United States</u>
Patent and Trade	mark Office"; this APPLICA	TION's Application No.,
filing date, and O	ffice, when known;	
was filed on	and was g	iven Application
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States Patent and	Trademark Office";	
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behalf of itself and its succe	FF	
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DERIVATIVES"));	territories, and an rore	ign countries (AFFLICATION
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Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature

Date

Algird Michael GUDAITIS

Printed Name in English

Printed Name in Native Language

(if other than English)

Client Docket No.: 493210-US-NP Attorney Docket No.: MS1-9138US

	l <u>Niran</u>	<u>jan P</u>	UTTASI	MAMY	("ASSI	GNOR")	am	the	origin	nal ins	ventor	or a	n o	riginal
joint	invento	of s	ubject	matter	("INV	'ENTION	") d	isclo	sed a	nd/or	claim	ed in	а	patent
appli	cation e	ntitled	"DYN/	<u> MIC SI</u>	<u>JPPLY</u>	<u> </u>	GE C	:ONT	ROL (	CIRCU	IT FOR	LASI	BJ	<u> 2100e</u> "
("APP	LICATIO	N"), w	hich:											

$\boxtimes$	will be filed. ASSIGNOR hereby authorizes, and requests,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,
	LLC., One Microsoft Way, Redmond, Washington 98052
	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in
	parentheses (filed on November 21, 2017 and given Application
	No. 15/820,356 by the following Office "US - United States
	Patent and Trademark Office"; this APPLICATION's Application No.,
	filing date, and Office, when known;
	was filed onand was given Application
	No by the following Office " <u>US – United</u>
	States Patent and Trademark Office":

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Muayan	Nov 21, 2017
Inventor's Signature	Date
Niranjan PUTTASWAMY	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

1 <u>Shee</u>	thal Somesh NAY/	${f W}$ ("ASSIGNOR") am the ${f c}$	riginal inventor or an original
joint invento	or of subject matte	er ("INVENTION") disclose	d and/or claimed in a patent
application s	entitled " <u>DYNAMIC</u>	SUPPLY VOLTAGE CONTRO	<u>OL CIRCUIT FOR LASER DIODE"</u>
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$\boxtimes$	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
		representative, Microsoft	
	LLC., One Mic	rosoft Way, Redmond	Washington 98052
	(ASSIGNEE'S LEC	JAL REPRESENTATIVES),	to insert here in
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	Patent and Trader	<u>mark Office";</u> this APPLICA	TION's Application No.,
	filling date, and O	ffice, when known;	
	was filed on	and was g	iven Application
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behalf of its desirous of right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION h as continuing application	n limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION")
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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Attorgs	11)21/2017
Inventor's Signature	Date
Sheethal Somesh NAYAK	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

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inventor of subject matter		And the state of t
application entitled " <u>DYNAMIC</u>	<u>SUPPLY VOLTAGE CONTR</u>	<u>OL CIRCUIT FOR LASER DIODE'</u>
("APPLICATION"), which:		
oxtimes will be filed.	ASSIGNOR hereby auti	norizes, and requests,
	representative, Microsof	
LLC., One Mic	rosoft Way, Redmond	. Washington 98052
(ASSIGNEE'S LEG	GAL REPRESENTATIVES).	to insert here in
parentheses (file	d on November 21, 2017	and given Application
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	by the following	Office " <u>US – United</u>
<u>States Patent and </u>	<u>Trademark Office</u> ":	
	and the state of t	n limited liability company, on
behalf of itself and its succe	- <del> </del>	
desirous of acquiring, the enti	re and exclusive rights, ti	tle and interest, including the
right of priority, in the INVENTI	ON and the APPLICATION	(and all other applications and
patents derived therefrom, suc	h as continuing application	ns, in whole or in part, in and
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Application No.	Filing Date	Office
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Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

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fund that.	11/21/2017
Inventor's Signature	Date
Raymond Kirk PRICE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 403210-US-NP Attorney Docket No.: MS1-9138US

inventor of subject napplication entitled "DY	natter ("INVENTION") dis 'NAMIC SUPPLY VOLTAGE	e original inventor or an original joint sclosed and/or claimed in a patent CONTROL CIRCUIT FOR LASER DIODE"
("APPLICATION"), which	• and the second	
□ ⊠ will be	filed. ASSIGNOR here	by authorizes, and requests,
ASSIGNEE LLC., Or	~ '	Aicrosoft Technology Licensing, edmond, Washington 98052
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behalf of itself and it desirous of acquiring, right of priority, in the patents derived therefr for the United State DERIVATIVES"));	s successors and assign the entire and exclusive INVENTION and the APPLI om, such as continuing a s, its territories, and	ashington limited liability company, on is ("ASSIGNEE"), is entitled to, and is rights, title and interest, including the CATION (and all other applications and pplications, in whole or in part, in and all foreign countries ("APPLICATION descriptions and all requests, ASSIGNEE'S LEGAL
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hventor's Signature	/_/
John Allen TARDIF	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2