

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5090337

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYEJUNG JUNG	08/08/2018
JOACHIM LOHR	08/09/2018
PRATEEK BASU MALLICK	08/09/2018
VIJAY NANGIA	08/08/2018
RAVI KUCHIBHOTLA	08/08/2018
ROBERT T. LOVE	08/09/2018
RECEIVING PARTY DATA	
Name:	LENOVO (SINGAPORE) PTE. LTD.
Street Address:	151, LORONG CHUAN #02-01
City:	NEW TECH PARK
State/Country:	SINGAPORE
Postal Code:	556741
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	62543354
Application Number:	16059260
Application Number:	16059332
CORRESPONDENCE DATA	
Fax Number:	(866)369-7391
<i>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.</i>	
Phone:	616 797 1000
Email:	lchapa@watson-ip.com
Correspondent Name:	THE WATSON INTELLECTUAL PROPERTY GROUP,
Address Line 1:	3133 HIGHLAND DRIVE, SUITE 200
Address Line 4:	HUDSONVILLE, MICHIGAN 49426
ATTORNEY DOCKET NUMBER:	SMM920170084
NAME OF SUBMITTER:	LAWRENCE J. CHAPA
SIGNATURE:	/Lawrence Chapa/

DATE SIGNED:	08/09/2018
Total Attachments: 18 source=SMM920170084_Lenovo_ASSIGNMENT_Jung_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_Jung_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_Jung_Signed#page3.tif source=SMM920170084_Lenovo_ASSIGNMENT_Lohr_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_Lohr_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_Lohr_Signed#page3.tif source=SMM920170084_Lenovo_ASSIGNMENT_BasuMallick_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_BasuMallick_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_BasuMallick_Signed#page3.tif source=SMM920170084_Lenovo_ASSIGNMENT_Nangia_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_Nangia_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_Nangia_Signed#page3.tif source=SMM920170084_Lenovo_ASSIGNMENT_Kuchibhotla_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_Kuchibhotla_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_Kuchibhotla_Signed#page3.tif source=SMM920170084_Lenovo_ASSIGNMENT_Love_Signed#page1.tif source=SMM920170084_Lenovo_ASSIGNMENT_Love_Signed#page2.tif source=SMM920170084_Lenovo_ASSIGNMENT_Love_Signed#page3.tif	

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Hyejung Jung, Palatine, Illinois; Joachim Löhr, Wiesbaden, Germany; Prateek Basu Mallick, Langen, Germany; Vijay Nangia, Woodridge, Illinois; Ravi Kuchibhotla, Clarendon Hills, Illinois; and Robert T. Love, Barrington, Illinois; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto LENOVO (SINGAPORE) PTE. LTD., a corporation of Singapore, having a place of business at 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions described, illustrated and claimed in the following applications:

U.S. Application No. 62/543,354, filed on August 9, 2017, entitled: **"Method and Apparatus for Beam Selection and Random Access in Multi-Beam Operation";**

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I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which

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(1) Legal Name of Inventor: **Hyejung Jung**

Signature:  Date: 8/8/2018

(2) Legal Name of Inventor: **Joachim Löhr**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Vijay Nangia**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

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(1) Legal Name of Inventor: **Hyejung Jung**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Joachim Löhr**

Signature:  _____ Date: Aug 3rd 2012

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

DOCKET NUMBER: **SMM920170084**

(4) Legal Name of Inventor: **Vijay Naugia**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

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(1) Legal Name of Inventor: **Hyejung Jung**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Joachim Löhr**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature:  _____ Date: Aug 09, 2018

DOCKET NUMBER: **SMM920170084**

(4) Legal Name of Inventor: **Vijay Naugia**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

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Signature: _____ Date: _____

(2) Legal Name of Inventor: **Joachim Löhr**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Vijay Nangia**

Signature:  Date: August 8, 2018

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

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Signature: _____ Date: _____

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Signature: _____ Date: _____

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Vijay Nangia**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature:  _____ Date: August 8, 2018

(6) Legal Name of Inventor: **Robert T. Love**

Signature: _____ Date: _____

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Signature: _____ Date: _____

(2) Legal Name of Inventor: **Joachim L  hr**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Prateek Basu Mallick**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Vijay Nangia**

Signature: _____ Date: _____

(5) Legal Name of Inventor: **Ravi Kuchibhotla**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Robert T. Love**

Signature: Robert T Love Date: 8/9/2018