

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3951660

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AN MAO	07/05/2016
GUAN-BO LIN	07/05/2016
JACK C. RAINS JR.	07/05/2016
DAVID P. RAMER	07/05/2016
RECEIVING PARTY DATA	
Name:	ABL IP HOLDING LLC
Street Address:	ONE LITHONIA WAY
City:	CONYERS
State/Country:	GEORGIA
Postal Code:	30012
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15203060
CORRESPONDENCE DATA	
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<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:	202-7152898
Email:	eraufi@ratnerprestia.com
Correspondent Name:	RATNERPRESTIA
Address Line 1:	1090 VERMONT AVENUE NW , SUITE 1200
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	ABL J-107US
NAME OF SUBMITTER:	KEITH E. GEORGE
SIGNATURE:	/ Keith E. George / (#34,111)
DATE SIGNED:	07/07/2016
Total Attachments: 3	
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source=Assignment#page2.tif	
source=Assignment#page3.tif	

ASSIGNMENT

WHEREAS We, **An MAO**, of 12010 Starboard Drive, Apt. 304, Reston, VA 20184; **Guan-Bo LIN**, of 11207 Becontree Lake Drive, Apt T1, Reston, VA 20190; **Jack C. RAINS, Jr.**, of 2946 Timber Wood Way, Herndon, VA 20171; and **David P. RAMER**, of 2508 Charlestown Lane, Reston, VA 20191; and have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled **MICROLED WITH INTEGRATED CONTROLLABLE BEAM STEERING AND/OR SHAPING**, for which an application for United States Letters Patent is being filed concurrently herewith;

AND WHEREAS, ABL IP HOLDING LLC, a company of the State of Georgia and having an address of One Lithonia Way, Conyers, Georgia 30012 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto ABL IP Holding LLC (Assignee), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said Assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor(a) and Assignee;

AND We hereby grant the Assignee, its successors, legal representatives and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND We hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ABL IP Holding LLC,

its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

07/05/2016
Date

An Mao
An MAO

07/05/2016
Date

Lin, Guan Bo
Guan-Bo LIN

07/05/2016
Date

Jack C. RAMERS, Jr.
Jack C. RAMERS, Jr.

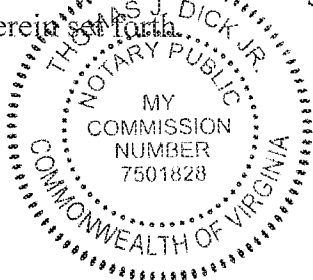
07/05/2016
Date

David P. RAMER
David P. RAMER

STATE OF _____)
) SS:
COUNTY OF _____)

On this 5th day of July, 2016, before me personally appeared **An MAO**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL



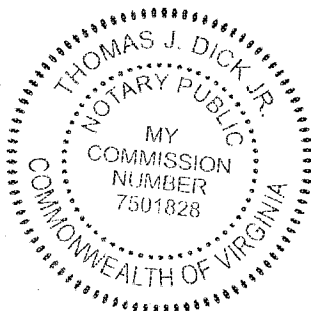
Thomas J. Dick, Jr.
Notary Public

My commission expires 30, Sept. 2019

STATE OF Virginia)
) SS:
COUNTY OF FAIRFAX)

On this 5th day of July, 2016, before me personally appeared, **Guan-Bo LIN**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL

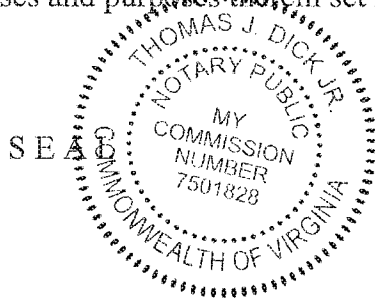


Thomas J. Dick, Jr.
Notary Public

My commission expires 30, Sept. 2019

STATE OF Virginia)
) SS:
 COUNTY OF FAIRFAX)

On this 5TH day of July, 2016, before me personally appeared **Jack C. RAINS, Jr.**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



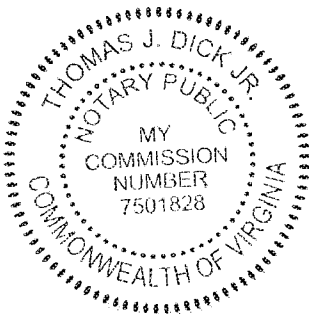
Thomas J. Dick Jr.
 Notary Public

My commission expires 30, Sept. 2019

STATE OF Virginia)
) SS:
 COUNTY OF FAIRFAX)

On this 5TH day of July, 2016, before me personally appeared **David P. RAMER**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL



Thomas J. Dick Jr.
 Notary Public

My commission expires 30, Sept. 2019