506787310 07/27/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6834129

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIEN-SHOU LIAO	08/06/2019

RECEIVING PARTY DATA

Name:	ASTI GLOBAL INC., TAIWAN	
Street Address:	2F1, NO.13, LN. 249, LINSEN RD., YUANLIN TOWNSHIP	
City:	CHANGHUA COUNTY	
State/Country:	TAIWAN	
Postal Code:	51044	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16535211

CORRESPONDENCE DATA

Fax Number: (703)574-5876

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.

Phone: 17032685992

Email: zhuoxu83@gmail.com

Correspondent Name: LI&CAI INTELLECTUAL PROPERTY(USA) OFFICE

Address Line 1: 3057 NUTLEY STREET

Address Line 2: SUITE 818

Address Line 4: FAIRFAX, VIRGINIA 22031

ATTORNEY DOCKET NUMBER:	107P001931US
NAME OF SUBMITTER:	ZHUO XU
SIGNATURE:	/ZHUO XU/
DATE SIGNED:	07/27/2021

Total Attachments: 2

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PATENT 506787310 REEL: 056994 FRAME: 0299

ASSIGNMENT DEED

Attorney docket No. 107P001931US

This Assignment agreement is applicable to an invention entitled (invention Title): METHOD AND DEVICE FOR REPAIRING A SEMICONDUCTOR CHIP

The PATENT RIGHTS referred to in this agreement are: (Check one) a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment U.S. Patent Application Serial No. ____ U.S. Patent No. _ ___, issued ____ The PATENT RIGHTS assigned under this agreement are: (Check One) U.S. Patent rights only 🔲 worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above. I/WE believe that I/WE am/are the original inventor(s) of a claimed invention in the application. The above-identified Application was made or authorized by me/us. I/WE hereby acknowledge that any will false statements made in this Assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. The ASSIGNOR(S) referred to in this agreement is (or are): (Full name of sole or first assignor) CHIEN-SHOU LIAO (FAMILY NAME: LIAO) (Address) 16F., No.21, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C. (Full name of second joint assignor, if any) _____ (FAMILY NAME:) (Address) Additional assignors are being named on separately numbered sheets attached hereto. The sole or first ASSIGNEE(S) referred to in this agreement is (or are): (Name of Assignee) ASTI GLOBAL INC., TAIWAN (Address of Assignee) _2F.-1, NO.13, LN. 249, LINSEN RD., YUANLIN TOWNSHIP, CHANGHUA COUNTY 51044, TAIWAN, R.O.C. The sole or first ASSIGNEE is: (Check One) an individual ☐a partnership ■a Corporation of __Taiwan, R.O.C.___ (State or Country)

The second ASSIGNEE(S) (if any) referred to in this agreement is (or are):

The second ASSIGNEE is: (Check One) Clan individual Cla partnership Cla Corporation of (State or Country) Clatcorrection of (State or Country) Clatcorrection of (State or Country) Clatcorrection assigness are being named on separately numbered sheets attached hereto. The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; the successors and assigns: the full and exclusive right to the invention; an equal interest in and to the entire right, title, and interest in and to the PATENT RIGHTS in the invention, an at configuration, continuation-in-part, divisional, re-issue, and re-examination patents and patent applications relating to the PATENT RIGHTS; and the right to claim priority under 35 U.S.C. § 118, based on any earlier foreign applications for this invention. As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) an request(s) the Director of Patents and Trademarks to issue at Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the critice right, title, and interest, for the sole use and enjoyment of said ASSIGNEE(S), the successors and assigns. Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any fact known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination, and restify in any legal proceedings, sign all lawful papers, execute all recessary as desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforce proper protection for said invention. CHEN-SHOULIAO (FAMILY NAME: LIAO) CHEN-SHOULIAO (FAMILY NAME: LIAO) (State)	The second ASSIGNEE is: (Check One)	
Clan individual Cla partnership Cla Corporation of (State or Country) Clatification, receipt of Misch is acknowledged, have and do hereby assign the following to each ASSIGNEE; the successors and assigns: the full and exclusive right to the invention; an equal interest in and to the entire right, title, and interest in and to the PATENT RIGHTS in the invention, an equal interest in and to the entire right, title, and interest in and to the PATENT RIGHTS in the invention, and the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention. As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) an requestive) the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNOR(S) hereby authorize(s) an equal interest in the online right, title, and interest, for the sole use and enjoyment of said ASSIGNEE(S) as the ASSIGNOR(S) hereby authorizes are successors and assigns. Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any fact known to the ASSIGNOR(S) respecting said invention, and relisting in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination, and reissue applications, execute all encessary assignations, substitute, renewal, reexamination, and reissue applications, execute accessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforce proper protection for said invention. CHEN-SHOU LIAO (FAMILY NAME: LIAO) CHEN-SHOU LIAO (FAMILY NAME: LIAO) (Equalities of Sasse or Rest assignation) (FAMILY NAME: L) (FAMILY NAME: L)	∐an Individual	
Ela partnership Ela Corporation of (State or Country) El Additional assigness are being named on separately numbered sheets attached hereto. The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; the successors and seajans: the full and exclusive right to the invention; an equal interest in and to the entire right, title, and interest in and to the PATENT RIGHTS in the invention, an all continuation, continuation-in-part, divisional, re-issue, and re-examination patents and patent applications relating to the PATENT RIGHTS; and the right to claim priority under 35 U.S.C. \$ 119, based on any earlier foreign applications for this invention. As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby surhorize(s) an request(s) the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNOR(S) as the ASSIGNEE(S) as the ASSIGNORE(S) for an equal interest in the online right, title, and interest, for the sole use and enjoyment of said ASSIGNEE(S), the successors and assigns. Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any fact known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execut all divisional, continuation, substitute, renewal, reexamination, and relistue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all righthat eaths, and generally deverything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforce proper protection for said invention. CHEN-SHOULIAD (FAMILY NAME: LIAO) CHEN-SHOULIAD (FAMILY NAME: LIAO) (FAMILY NAME: LIAO)		
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CH (EN - SHOU LIAD AUGUST 06, 2019 (FAMILY NAME:)	the right to claim priority under 35 U.S.C. § 1. As to all U.S. Patent Applications assigned a request(s) the Director of Patents and Trademarks to it of an equal interest in the entire right, title, and intersuccessors and assigns. Further, the ASSIGNOR(S) agree(s) to commit the ASSIGNOR(S) respecting said invention, all divisional, continuation, substitute, renewal, reexaming papers to cause any and all Letters Patent to be issued everything necessary or desirable to aid said ASSIGNI protection for said invention. IAWE hereby give our Attorney authorization to insert the said said and said account to the said invention.	under this Agreement, the ASSIGNOR(S) hereby authorize(s) and issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) rest, for the sole use and enjoyment of said ASSIGNEE(S), their municate to said ASSIGNEE(S), or their representatives, any facts and testify in any legal proceedings, sign all lawful papers, execute ination, and reissue applications, execute all necessary assignment ad to said ASSIGNEE(S), make all rightful oaths, and generally do EE(S), their successors and assigns, to obtain and enforce proper
(Signable of size or first assignor) (Daw) (FAMILY NAME:)		
(Esgrature of sole of that assignor) (Date) (FAMILY NAME:)	CHIEN-SHOU LIA	AUGUST 06, 2019
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PATENT REEL: 056994 FRAME: 0301

RECORDED: 07/27/2021