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FORM PTO-1595 RECORDATION	03/08/2012	U.S. DEPARTMENT OF COMMERCE			
(MAR 0 6 2012 W PATE		Patent and Trademark Office			
To the Honorable Emmissioner of Patents and Trademarks:		or copy thereof.			
1. Name of conveying party(ies): 3/6/12	2. Name and address of receiving party(ies	s):			
1) Tae-Young KO					
2) Jin-Pil KIM	SAMSUNG SDI CO.,	LTD.,			
	a corporation chartered in and existin	ng under the laws of			
Additional name(s) of conveying party(ies) attached? □ Yes ■No	the Republic of Korea				
	428-5, Gongse-dong, Gi	heung-gu			
3. Nature of conveyance ■ Assignment □ Merger	Yongin-si, Gyeonggi-do				
□ Security Agreement □ Change of Name	Republic of KOREA				
□ Other	-				
Execution Date: 7 February 2012	Additional name(s) & addresses atta	ched? □ Yes ■ No			
4. Application number(s) or Patent number(s):					
If this document is being filed together with a new applica	tion, the execution of the application is:				
A. Patent Application No(s).	B. Patent No(s).				
13/397,106					
Additional number	(s) attached? □ Yes ■ No				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total Number of applications and pat	ents involved: <u>ONE</u>			
Name: Robert E. Bushnell	7. Total fee (37 CFR § 3.41)	\$ <u>U.S. \$40.00</u>			
Attorney at Law	■ Enclosed (Check #8238)				
2029 "K" Street, N.W. Suite 600	☐ Authorized to be charged to depos	it account			
Washington, D.C. 20006-1004 (202) 408-9040	8. Deposit Account Number:				
	(Attach duplicate copy of this page if paying l	by deposit account)			
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9. Statement and Signature.					
To the best of my knowledge and belief, the foregoing inform original document.	udion is true and correct and any attached	copy is a true copy of the			
ROBERT E. BUSHNELL	2 March 2012				
Name of Person Signing 'V'Signatu	//	\sim			
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Commissioner of Pate					
•	ents and Trademarks				

REB/yh (Attorney's Docket No.: P59535)

ASSIGNMENT

AS A BELOW NAMED INVENTOR. It and each of us, individually hereby declare that IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged. I do hereby sell, assign and forever grant and convey unto

ASSIGNED:

SAMSUNG SDI CO., LTD.,

a corporation chartered in and existing under the laws of the Republic of Korea,

ADDRESS:

428-5, Gongse-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of KOREA

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention chilled

TITLE: SPATTER REMOVING DEVICE FOR LASER WELDER

invented by the (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as

∐ ex	recuted on ev	on date herewith, or				, .			
XX se	eral No	13/397,106	filed in the U.S. P	nient & Fraderick Office on	_15	February	2012	*	or
[] ex	asculed on								

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, and to any extension of conversions thereof, and interest being the entire ownership of the patent which granted, to be held and enjoyed by said SAMSUNG SDI CC., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made.

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, havial, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substance applications, certificant of correction, division, continuation, continuation, in part, reissue, re-examination, in any orientalment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title horder in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property. Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or trenty to which the United States of America adheres.

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue and Patent or Patents to the Assignce, and I hereby appoint as my, or our attentey, and authorize and request R. E. Bushnell, Reg. No. 27,774, to unsert on this Assignment any further identification or to complete such identification which may be either accommy or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have not our hands and seals on the dates written healde my and our respective names

	MAENTOKO)		Date Signed	<u>Witness</u> (c ₃)
l)	Tae-Koung Ko	(Seal)	February 7	, 2012
,	Tae-Young KO			
2)	Jin-Pil KIM	(Scal)	February 7	2012
_ /	Jin-Pil KIM			

4/11/1981 # E Emelonali

PATENT REEL: 027932 FRAME: 0795

RECORDED: 03/06/2012