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Alexandria, VA 22313-1450		Att	orney Docket No. <u>133428</u>	
Please record the attached document. Total number of pages including cover sheet, attachments, and document: 2				
 A. Name of conveying parties: Takamitsu KAWAHARA Xuniaki YAGI Naoki HATTA Naoki HATTA Hiroyuki NAGASAWA Additional name(s) of conveying 		HOYA 7-5, N/	d address of receiving party: CORPORATION AKAOCHIAI 2-CHOME UKU-KU, TOKYO 161-8525	
 3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: <u>1, 2 and 4) S</u> 3) September 12, 2007 	Merger Change of Name September 11, 2007	B. Addition	al name(s) & address(es) attached? □Yes ⊠ No	
4. A. Patent Application No.(s) 11/8	86.065	B. Patent N	o.(\$)	
	Additional numbers attac	hed? 🗌 Yes 🛛 No	D	
C. Title of Application: <u>PROC</u>	ESS FOR PRODUCIN	<u>G SILICON CARE</u>	BIDE SINGLE CRYSTAL	
 Name and address of party to whom o concerning document should be maile 		6. Total number	of applications and patents involved: 1	
Name: <u>James A. Oliff</u>			arge Deposit Account No. 15-0461 the 37 CFR 3.41) in the amount of \$ <u>40.00</u> .	
Address: OLIFF & BERRIDGE, PI P.O. Box 19928 Alexandria, VA 223 Phone Number: 703–836 Fax Number: 703–836–	320 5-6400		erpayment or charge any underpayment to nt number 15-0461.	
 Statement and signature. To the best of my knowledge and bell original document. James A. Oliff Registration No. 27,0 John A. Radi Registration No. 59,343 	75		and any attached copy is a true copy of the October 2, 2007	

PATENT REEL: 019912 FRAME: 0492

OLIFF & BERRIDGE, PLC

2002

ASSIGNM	ENT

		(1) <u>Takamitsu KAWAHARA</u> (5)
(1-8)	Insert Name(s) of Inventor(s)	(2) Kuniaki YAGI (6)
		(3) <u>Naoki HATTA</u> (7)
		(4) <u>Hiroyuki NAGAŞAWA</u> (8)
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to
(9A)	Insert Name of Assignce	(9A) HOYA CORPORATION
(10A)	Insert Address of Assignee	(10A) 7-5. Nakaochiaj 2-chome, Shinjuku-ku, Tokyo 161-8525, Japan
(9B)	Insert Name of Assignce	(9B)
(10B)	Insert Address of Assignce	(108)
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as
(11)	Insert	(11) PROCESS FOR PRODUCING SILICON CARBIDE SINGLE CRYSTAL
	Identification such as Title, Case Number, or Foreign Application Number	(Aπorney Docket No. <u>133428</u>)
		for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or
(12)	Insert Date of Signing of Application	(12) on
(13)	Alternative Identification for filed applications	(13) U.S. application Serial Number <u>11/886,065</u>
		filed October 2, 2007
	1) Each undersigned agree	we to execute all papers percentage in connection with any application and any continuing, divisional or

 Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignce.

5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or dusirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	September 11, 2007	Inventor Signature	<u>Takamitan Kawahara</u>	(SEAL)
Date	September 11, 2007	Inventor Signature	<u>Kuniaki Yagi</u>	(SEAL)
Date	September 12, 2007	Inventor Signature	Naoki Hatta	(SEAL)
Date	September 11, 2007	Inventor Signature	Haroyale; Nagasawa	(SEAL)
Date		Ioventor Signature		(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here;

Date	Witness
Date	Witness

PATENT REEL: 019912 FRAME: 0493

RECORDED: 10/02/2007