502514425 09/30/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Akinobu ISURUGI	09/03/2013
Kiyoshi MINOURA	09/03/2013
Hiroyuki SUGAWARA	09/13/2013

RECEIVING PARTY DATA

Name:	Sharp Kabushiki Kaisha
Street Address:	22-22, Nagaike-cho, Abeno-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	545-8522

Name:	GEOMATEC CO., LTD.	
Street Address:	Street Address: 2-1, Minatomirai 2-chome, Nishi-ku,	
City:	Yokohama-shi, Kanagawa	
State/Country:	JAPAN	
Postal Code:	220-8109	

PROPERTY NUMBERS Total: 1

Property Type Number	
Application Number:	14008649

CORRESPONDENCE DATA

Fax Number: 7036688200

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-668-8000

Email: dcmailroom@hdp.com

Correspondent Name: Harness, Dickey & Pierce P.L.C.

Address Line 1: P.O. Box 8910

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PATENT

REEL: 031308 FRAME: 0556

ATTORNEY DOCKET NUMBER:	15020SL-000054/US/NP
NAME OF SUBMITTER:	Donald J. Daley
Signature:	/Donald J. Daley, Reg. No.: 34,313/
Date:	09/30/2013
Total Attachments: 4 source=20130930assignasfiled#page1.tif source=20130930assignasfiled#page2.tif source=20130930assignasfiled#page3.tif source=20130930assignasfiled#page4.tif	

PATENT REEL: 031308 FRAME: 0557

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

MOLD PRODUCTION METHOD

for whi		ignor is	about to make or has made United States or International application for
	(a)		executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
	(b)		executed on,; or
	(c)	\boxtimes	filed on March 29, 2012 and assigned Serial No or PCI International Application No. PCT/JP2012/058394; and
	WHEF	REAS, S	SHARP KABUSHIKI KAISHA, with address at 22-22, Nagaike-cho

Abeno-ku, Osaka-shi, Osaka 545-8522 Japan and GEOMATEC CO., LTD., with address at 2-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi, Kanagawa 220-8109 Japan, NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Page 1 of 2

Akinobu Surugi
Akinobu ISURUGI

September 3, 2013

Dated

Kuyoshi Minoura

Kiyoshi Minoura

September 3, 2013

Dated

Hiroyuki SUGAWARA

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has

MOLD PRODUCTION METHOD

invented:

			MOLD PRODUCTION METHOD
for whicl	h Assiç		about to make or has made United States or International application for
. ((a)		executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
((b)		executed on,; or
((c)	\boxtimes	filed on March 29, 2012 and assigned Serial No or PCT International Application No. PCT/JP2012/058394; and
			and a second sec

WHEREAS, SHARP KABUSHIKI KAISHA, with address at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan and GEOMATEC CO., LTD., with address at 2-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi, Kanagawa 220-8109 Japan, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

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PATENT

Akinobu ISURUGI
Dated
Kiyoshi MINOURA
Dated
Hitogati Sugawata
Hiroyuki SUGAWARA
Septembel 13.2013

Page 2 of 2

PATENT REEL: 031308 FRAME: 0561