U.S. PTO 12/009817 01/22/2008

Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008) 02 - 04	-2008 U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
	III III III III III ET			
To the Director of the U.S. Patent a 10347	documents or the new address(es) below.			
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
Ki-Su Kim	Name: Samsung Electronics Co., Ltd.			
Jung-Hyeon Kim	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes \(\) \(Street Address: _416, Maetan-dong,			
	6. Total number of applications and patents involved: 1			
Name: Steven M. Mills				
Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00 Authorized to be charged by credit card Authorized to be charged to deposit account			
Street Address: Mills & Onello LLP	Enclosed			
Eleven Beacon Street, Suite 605	None required (government interest not affecting tit			
City: Boston	8. Payment Information			
State: Massachusetts Zip: 02108	a. Credit Card Last 4 Numbers 1008 Expiration Date 06/11			
Phone Number: (617) 994-4900				
Fax Number: (617) 742-7774	b. Deposit Account Number			
Email Address: mail@millsonello.com	Authorized User Name			
9. Signature: Sum lu Co	1/22/08			
Signature	Date			
Steven M. Mills, Registration No. 36,610 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 020446 FRAME: 0224

Reference No.: SAM-1227

ASSIGNMENT.

We, Ki-Su Kim, of 212-701, Minsok Macul Sinchang Missionhill Apt., Bora-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea and Jung-Hyeon Kim, of 901-1505, Anhwadong Maoul Jugong 9danji, Byeongjeom-dong, Hwascong-si, Gyeonggi-do, Republic of Korea; having invented improvements in UNITS FOR COLLECTING PARTICLES, APPARATUS INCLUDING THE SAME AND METHODS FOR COLLECTING PARTICLES USING THE SAME described in an application for Letters Patent of the United States, executed by us on even date herewith, for good and valuable consideration, receipt of which is hereby acknowledged from Samsung Electronics Co., Ltd., a Korean corporation having a place of business at 416, Mastan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, relative and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration We do also hereby sell, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and We do hereby authorize the Assignee to apply in our name or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same consideration, We do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions.

And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and interest in and to said inventions has not been otherwise encumbered by us, and that We have not executed and will not execute any instruments in conflict herewith.

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REEL: 020446 FRAME: 0225

Reference	No. 5		M.1	777
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First or Sole Inventor:

Signature:

Ki-Su Kim

Date: 2008.1.14

Second Joint Inventor:

Signature:

Jung-Hyeon Kim

Date:____

REFERENCE NO.: SAM-1237

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PATENT REEL: 020446 FRAME: 0226

Reference No.: SAM-1227

ASSIGNMENT

We, Ki-Su Kim, of 212-701, Minsok Maeul Sinchang Missionhill Apt., Bora-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea and Jung-Hyeon Kim, of 901-1505, Anhwadong Macul Jugong 9danji, Byeongjeom-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; having invented improvements in UNITS FOR COLLECTING PARTICLES, APPARATUS INCLUDING THE SAME AND METHODS FOR COLLECTING PARTICLES USING THE SAME described in an application for Letters Patent of the United States, executed by us on even date herewith, for good and valuable consideration, receipt of which is hereby acknowledged from Samsung Electronics Co., Ltd., a Korean corporation having a place of business at 416, Mactan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignce our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration We do also hereby sell, assign, and transfer unto the Assignce, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and We do hereby authorize the Assignee to apply in our name or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same consideration, We do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions;

And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and interest in and to said inventions has not been otherwise encumbered by us, and that We have not executed and will not execute any instruments in conflict herewith.

PATENT

REEL: 020446 FRAME: 0227

Reference No.: SAM-1227

First or Sole Inventor:

Signature:

Ki-Su Kim

Date:____

Second Joint Inventor:

Signature:

Jung-Hyean Kim

Date: Jan . 15. 2006

REFERENCE NO.; SAM-1227 J.SAM1227kurignmon-mult-linv.wyd

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