

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Takayuki TAKAI	07/01/2013
RECEIVING PARTY DATA	
Name:	Konica Minolta, Inc.
Street Address:	2-7-2 Marunouchi, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-7015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13946727
CORRESPONDENCE DATA	
Fax Number:	7037607777
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	703-760-7769
Email:	gharonni@mofo.com
Correspondent Name:	Jonathan Bockman
Address Line 1:	c/o Morrison & Foerster LLP
Address Line 2:	1650 Tysons Blvd Suite 400
Address Line 4:	Mclean, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	325772076600
NAME OF SUBMITTER:	Jonathan Bockman
Signature:	/JonBockman/
Date:	07/23/2013
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

CH \$40.00 13946727

# MORRISON & FOERSTER<sub>LLP</sub>

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

**Konica Minolta, Inc.  
2-7-2 Marunouchi, Chiyoda-ku  
Tokyo 100-7015  
JAPAN**

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

## CLEANING DEVICE

Attorney Docket No.: 32577- 20766.00

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 13/946,727    Filing Date: July 19, 2013

1.     The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2.     The undersigned agree(s) 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 of similar agreements.

3.     The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Morrison & Foerster LLP 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

July 1, 2013  
Date

Takayuki Takai  
Typed Name: Takayuki TAKAI

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name: