

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3881916

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARIO ROMANIN	10/06/2011
JAMES M. KHOURY	10/10/2011
JOSEPH G. SCHROEDER	05/07/2014
TERRENCE M. FULKERSON	03/27/2014
JEFFREY A. PERKINS	03/28/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NORDSON CORPORATION
<b>Street Address:</b>	28601 CLEMENS ROAD
<b>City:</b>	WESTLAKE
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44145
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14275930
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)861-1783
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-861-1500
<b>Email:</b>	mmonroe@bakerlaw.com
<b>Correspondent Name:</b>	BAKER & HOSTETLER LLP
<b>Address Line 1:</b>	WASHINGTON SQUARE, SUITE 1100
<b>Address Line 2:</b>	1050 CONNECTICUT AVENUE, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20036
<b>ATTORNEY DOCKET NUMBER:</b>	098987.022358
<b>NAME OF SUBMITTER:</b>	HUSSEIN AKHAVANNIK
<b>SIGNATURE:</b>	/Hussein Akhavannik/
<b>DATE SIGNED:</b>	05/20/2016
<b>Total Attachments: 8</b>	

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**ASSIGNMENT OF INVENTION AND PATENTS THEREON**

WHEREAS, We, Mario Romanin, and James M. Khoury have invented POWDER FLOW DETECTION, as fully disclosed in an application for Patent so entitled and filed by me on October 6, 2011, as United States Application Serial No.13/,267,028. **We hereby authorize and request any one of the attorneys of Calfee, Halter & Griswold LLP, to insert herein the application serial number of said application when known.**

WHEREAS, NORDSON CORPORATION a corporation organized under the laws of the State of Ohio and having its principal office at 28601 Clemens Road, Westlake, Ohio, 44145, desires to acquire the entire interest in and to the subject matter disclosed in said applications and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said NORDSON CORPORATION our entire right, title and interest in and to the subject matter disclosed in said applications and in and to all Letters Patent Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention or Union for each country of said Convention or Union; and we do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said applications and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.



**Full Name of**

**Second Inventor:** Khoury James M.  
Last Name First Name Middle Name

James M. Khoury 10/10/2011  
Signature Date

**Post Office**

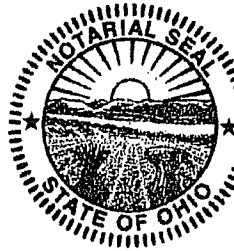
**Address:** 18162 Fawn Circle Strongsville, Ohio 44136  
Post Office Address City, State or County Zip Code

STATE OF OH )  
 ) SS  
COUNTY OF Lorain )

On this 10<sup>th</sup> day of October, 2011 before me personally appeared, James M. Khoury, to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.

Sharon A. Krucinski  
Notary Public

(SEAL)



SHARON A. KRUCINSKI  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES SEP 26, 2015

**ASSIGNMENT OF INVENTION AND PATENTS THEREON**

WHEREAS, I, Joseph G. Schroeder, have invented POWDER FLOW DETECTION, as fully disclosed in an application for Patent so entitled and filed on October 6, 2011, as United States Application Serial No. 13/267,028.

WHEREAS, NORDSON CORPORATION a corporation organized under the laws of the State of Ohio and having its principal office at 28601 Clemens Road, Westlake, Ohio, 44145, desires to acquire the entire interest in and to the subject matter disclosed in said application and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said NORDSON CORPORATION our entire right, title and interest in and to the subject matter disclosed in said applications and in and to all Letters Patent Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention or Union for each country of said Convention or Union; and we do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said applications and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

**Full Name of First**

**or Sole Inventor:** Schroeder Joseph G.  
Last Name First Name Middle Name

Joseph G. Schroeder 5/7/14  
Signature Date

**Post Office**  
**Address:** 11988 Firefly Drive North Royalton, Ohio 44133  
Post Office Address City, State or County Zip Code

STATE OF Ohio  
COUNTY OF Lorain ) SS

On this 7 day of May, 2014 before me personally appeared, Joseph G. Schroeder, to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



KIMBERLY R. SMITH  
NOTARY PUBLIC  
STATE OF OHIO  
Comm. Expires  
February 27, 2015  
Recorded In  
Lorain County

Kimberly R. Smith  
Notary Public

**ASSIGNMENT OF INVENTION AND PATENTS THEREON**

WHEREAS, We, Terrence M. Fulkerson and Jeffrey A. Perkins have invented POWDER FLOW DETECTION, as fully disclosed in an application for Patent so entitled and filed on October 6, 2011, as United States Application Serial No. 13/ 267,028.

WHEREAS, NORDSON CORPORATION a corporation organized under the laws of the State of Ohio and having its principal office at 28601 Clemens Road, Westlake, Ohio, 44145, desires to acquire the entire interest in and to the subject matter disclosed in said application and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said NORDSON CORPORATION our entire right, title and interest in and to the subject matter disclosed in said applications and in and to all Letters Patent Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention or Union for each country of said Convention or Union; and we do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said applications and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.



**Full Name of First**

**or Sole Inventor:** Fulkerson Terrence M.  
Last Name First Name Middle Name

Terrence M Fulkerson 3-27-14  
Signature Date

**Post Office**

**Address:** 4619 Ruby Lane Brunswick Hills, Ohio 44212  
Post Office Address City, State or County Zip Code

STATE OF Ohio )  
) SS  
COUNTY OF Lorain

On this 27 day of March, 2014 before me personally appeared, Terrence M. Fulkerson, to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



KIMBERLY R. SMITH  
NOTARY PUBLIC  
STATE OF OHIO  
Comm. Expires  
February 27, 2015  
Recorded in  
Lorain County

Kimberly R. Smith  
Notary Public

**Full Name of**

**Second Inventor:** Perkins Jeffrey A.  
Last Name First Name Middle Name

Jeffrey A. Perkins 3-28-14  
Signature Date

**Post Office**

**Address:** 609 Gray Hawk Circle Amherst, Ohio 44001  
Post Office Address City, State or County Zip Code

STATE OF Ohio )  
COUNTY OF Lorain ) SS

On this 28 day of March, 2014 before me personally appeared, Jeffrey A. Perkins, to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



KIMBERLY R. SMITH  
NOTARY PUBLIC  
STATE OF OHIO  
Comm. Expires  
February 27, 2015  
Recorded in  
Lorain County

Kimberly R. Smith  
Notary Public