PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3881916

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	NORDSON CORPORATION
Street Address:	28601 CLEMENS ROAD
City:	WESTLAKE
State/Country:	OHIO
Postal Code:	44145

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14275930

CORRESPONDENCE DATA

Fax Number: (202)861-1783

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.

Phone: 202-861-1500

Email: mmonroe@bakerlaw.com **BAKER & HOSTETLER LLP Correspondent Name:**

Address Line 1: WASHINGTON SQUARE, SUITE 1100 Address Line 2: 1050 CONNECTICUT AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20036

	ATTORNEY DOCKET NUMBER:	098987.022358
	NAME OF SUBMITTER:	HUSSEIN AKHAVANNIK
DATE SIGNED: 05/20/2016	SIGNATURE:	/Hussein Akhavannik/
	DATE SIGNED:	05/20/2016

Total Attachments: 8

PATENT REEL: 038653 FRAME: 0940

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PATENT REEL: 038653 FRAME: 0941

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, We, Mario Romanin, and James M. Khoury have invented <u>POWDER</u>

<u>FLOW DETECTION</u>, 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.

Page 1 of 3

PATENT REEL: 0270**69 TEM**ME: 0365 REEL: 038653 FRAME: 0942

Full Name of First			
or Sole Inventor:	Romanin	Mario	
	Last Name	First Name	Middle Name
	Mario Communication		10/6/2011
	Signature		Date
Post Office			
Address:	416 West River Road		44280
	Post Office Address	City, State or County	Zip Code
the signing of the fo	day of Dorold wn and known by me to	be the above-named income a voluntary act and o	personally appeared, Mario dividual who acknowledged deed and who executed the
	_	Notary Paralal	Kucinshi
(SEAL)		*	SHARON A. KRUCINSKI NOTARY PUBLIC - STATE OF OHIO

Full Name of			
Second Inventor:	Khoury	James	M
	Last Name	First Name	Middle Name
	amus M. K. Signature	houry 1	0/10/2011 Date
0	Signature	V	Date
Post Office			
Address:	18162 Fawn Circle	Strongsville, Ohio	44136
	Post Office Address	City, State or County	Zip Code
STATE OF	_)) SS		sonally appeared, James M. lividual who acknowledged
COUNTY OF Lota,	<u>a)</u> Yk		
On this // Khoury, to me know	day of <u>October</u> on and known by me to	, 2011 before me per be the above-named inc	sonally appeared, James M. lividual who acknowledged
the signing of the fo	oregoing instrument to be purposes therein specific	e a voluntary act and o	leed and who executed the
		Motary Public	Lucinola"
(SEAL)		AFIA	CHADON A VONONOVA
·			SHARON A, KRUCINSKI OTARY PUBLIC - STATE OF OHIO COMMISSION EVELOPES SER OR ONLY

RECORDED: 10/17/2011

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, I, Joseph G. Schroeder, have invented <u>POWDER FLOW DETECTION</u>, 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 Last Name	Joseph	G.
•	Last Ivainie	First Name	Middle Name
Jorpak	Signature	<u> </u>	7/14 Date
Post Office			
Address:	11988 Firefly Drive	North Royalton, Ohio	44133
	Post Office Address	City, State or County	Zip Code
STATE OF Ohio			
the signing of the fo	The course in the co	e a voluntary act and d	onally appeared, Joseph G. lividual who acknowledged leed and who executed the

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

Page 2 of 2

PATENT REEL: 03285/6THENATME: 0008 REEL: 038653 FRAME: 0946

RECORDED: 05/09/2014

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, We, Terrence M. Fulkerson and Jeffrey A. Perkins have invented <u>POWDER FLOW DETECTION</u>, 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.

Page 1 of 3

REEL: 032**5447TERAT**ME: 0122 REEL: 038653 FRAME: 0947

Full Name of First or Sole Inventor:	Fulkerson	Terrence	M
or Soic Inventor:	Last Name	First Name	<u>M.</u> Middle Name
June M	Fulla Signature		Date
Post Office Address:	4619 Ruby Lane Post Office Address	Brunswick Hills, Ohio City, State or County	
STATE OF Ohio	_) _) SS <u>^</u>)		
Fulkerson, to me kno the signing of the fo	wn and known by me to	be the above-named income a voluntary act and d	nally appeared, Terrence M. dividual who acknowledged leed and who executed the
ST CO	BERLY R. SMITH DTARY PUBLIC ATE OF OHIO omm. Expires ruary 27, 2015 Recorded in orain County	Homberly R. S. Notary Public	mith

Full Name of			
Second Inventor:	Perkins	Jeffrey	Α.
	Last Name	First Name	Middle Name
Jeffy C	a. Puhin		3-28-14
	Signature		Date
Post Office			
Address:	609 Gray Hawk Circle	e Amherst, Ohio	44001

Post Office Address

STATE OF Ohi) SS COUNTY OF horain

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.

City, State or County

Zip Code



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

RECORDED: 03/28/2014 RECORDED: 05/20/2016 PATENT REEL: 032**574XTHENAT**ME: 0124

REEL: 038653 FRAME: 0949