

06-30-2003



To the Honorable Commissioner of Patents & Trademarks

102485591

documents or copy thereof.

1. Name of conveying party(ies):

Wayne A. Calco; David F. Bullock
Dale T. Christensen
Daniel J. Chen; Paul S. Frates
William A. Lewis
Kenneth E. Rothrauff

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: NORDSON CORPORATION

Internal Address: _____

Street Address: 28601 Clemens RoadCity: Westlake State: OH ZIP: 44145Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 12/16/2002; 12/17/2002; 01/10/2003; 01/13/2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

29/170,100

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: NORDSON CORPORATIONInternal Address: Patent DepartmentStreet Address: 28601 Clemens RoadCity: Westlake State: OH ZIP: 441456. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41)..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit Account number:

14-1205

(Attach duplicate copy of this page if paying by deposit account)

06/27/2003 ECOOPER 00000133 141205 29170100

01 FC:0021 40.00 DA

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond J. Slattery III (Reg. No. 32,108)
Name of Person Signing

Signature

6/20/03
DateTotal number of pages comprising cover sheet: 11

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, we, **Wayne A. Calco, David F. Bullock, Dale T. Christensen, Calco, Daniel J. Chen, Paul S. Frates, William A. Lewis, and Kenneth E. Rothrauff** have invented an **Apparatus For Melting Thermoplastic Materials** as fully disclosed in an application for Patent so entitled and (check one)

- ☐ executed by me (us) on even date herewith
☒ filed by me (us) on 10/31/2002, as Serial No. 29/170,100 preparatory to obtaining Letters Patent of the United States therefor; and

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 to me (each of us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we) have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said NORDSON CORPORATION my (our) entire right, title and interest in and to the subject matter disclosed in said application 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 I (we) do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said application and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

I (we) hereby authorize Nordson Corporation to insert in this Assignment the Serial Number and Filing Date of the above-identified application when known.

Full Name

of Inventor: Calco Wayne A.
Last Name First Name Middle Name
Wayne A Calco 12-17-02
Signature Date

Post Office

Address: 392 Hope Street, #4 Mountain View, California 94041
Post Office Address City, State or Country Zip Code

STATE of CALIFORNIA)

COUNTY of SS: 9901
12/17/02

On this _____ day of _____, 2002, before me personally appeared **Wayne A. Calco** 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.

SEE ATTACHED CERTIFICATE

Notary Public

(SEAL)

Full Name of Second

of Inventor: Bullock David F.
Last Name First Name Middle Name

Signature_____
Date**Post Office**

Address: 799 Lighthouse Avenue, Apt. #4 Monterey, California 93940
Post Office Address City, State or Country Zip Code

STATE of CALIFORNIA)
) SS:
COUNTY of)

On this _____ day of _____, 2002, before me personally appeared **David F. Bullock** 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.

Notary Public

(SEAL)

Full Name of Third

Inventor: Christensen Dale T.
Last Name First Name Middle Name

Signature_____
Date**Post Office**

Address: 300 Monterey Dunes Way Castroville, California 95012
Post Office Address City, State or Country Zip Code

STATE of CALIFORNIA)
) SS:
COUNTY of)

On this _____ day of _____, 2002, before me personally appeared **Dale T. Christensen** 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.

Notary Public

(SEAL)

Full Name of Fourth

Inventor: Chen Daniel J.
Last Name First Name Middle Name

Signature

Date

Post Office

Address: 3475 Oak Valley Road N.E. #2650 Atlanta, Georgia 30326
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this _____ day of _____, 2002, before me personally appeared **Daniel J. Chen** 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.

Notary Public

(SEAL)

Full Name of Fifth

Inventor: Frates Paul S.
Last Name First Name Middle Name

Signature

Date

Post Office

Address: 1477 Hadaway Trail Lawrenceville, Georgia 30043
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this _____ day of _____, 2002, before me personally appeared **Paul S. Frates** 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.

Notary Public

(SEAL)

Full Name of Sixth

Inventor: Lewis William A.
Last Name First Name Middle Name

Signature Date

Post Office

Address: 5231 Enchanted Cove Lilburn, Georgia 30047
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this _____ day of _____, 2002, before me personally appeared **William A. Lewis** 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.

Notary Public

(SEAL)

Full Name of Seventh

Inventor: Rothrauff Kenneth E.
Last Name First Name Middle Name

Signature Date

Post Office

Address: 4115 Dollar Circle Suwanee, Georgia 30024
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this _____ day of _____, 2002, before me personally appeared **Kenneth E. Rothrauff** 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.

Notary Public

(SEAL)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

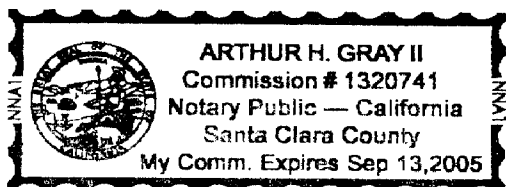
County of SANTA CLARA

ss.

On DEC. 17, 2002, before me, ARTHUR H. GRAY II NOTARY PUBLIC,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared WAYNE A. CALCO,
Name(s) of Signer(s)

☐ personally known to me
☒ proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Arthur H. Gray II
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: ASSIGNMENT OF INVENTION AND PATENTS THEREON TO NORDSON CORP. SN # 29,170,000

Document Date: 10/3/02 Number of Pages: 4

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer

Signer's Name: WAYNE A. CALCO

- ☒ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, we, **Wayne A. Calco, David F. Bullock, Dale T. Christensen, Calco, Daniel J. Chen, Paul S. Frates, William A. Lewis, and Kenneth E. Rothrauff** have invented an **Apparatus For Melting Thermoplastic Materials** as fully disclosed in an application for Patent so entitled and (check one)

- ☐ executed by me (us) on even date herewith
☒ filed by me (us) on 10/31/2002, as Serial No. 29/170,100 preparatory to obtaining Letters Patent of the United States therefor; and

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 to me (each of us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we) have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said NORDSON CORPORATION my (our) entire right, title and interest in and to the subject matter disclosed in said application 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 I (we) do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said application and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

I (we) hereby authorize Nordson Corporation to insert in this Assignment the Serial Number and Filing Date of the above-identified application when known.

Full Name

of Inventor: Calco Wayne A.
Last Name First Name Middle Name

 Signature

 Date

Post Office

Address: 392 Hope Street, #4 Mountain View, California 94041
Post Office Address City, State or Country Zip Code


STATE of CALIFORNIA)
) SS:
 COUNTY of)

On this _____ day of _____, 2002, before me personally appeared **Wayne A. Calco** 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.

 Notary Public

(SEAL)

Full Name of Second

of Inventor: Bullock David F.
Last Name First Name Middle Name

Signature
12/16/02
Date

Post Office

Address: 799 Lighthouse Avenue, Apt. #4 Monterey, California 93940
Post Office Address City, State or Country Zip Code

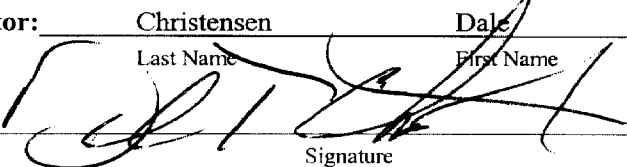
STATE of CALIFORNIA)
) SS:
COUNTY of)

On this _____ day of _____, 2002, before me personally appeared **David F. Bullock** 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.

Notary Public

(SEAL)

Full Name of Third

Inventor: Christensen Dale T.
Last Name First Name Middle Name

Signature
12/16/02
Date

Post Office

Address: 300 Monterey Dunes Way Castroville, California 95012
Post Office Address City, State or Country Zip Code

STATE of CALIFORNIA)
) SS:
COUNTY of)

On this _____ day of _____, 2002, before me personally appeared **Dale T. Christensen** 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.

Notary Public

(SEAL)

Full Name of Fourth

Inventor: Chen Daniel J.
Last Name First Name Middle Name
Daniel J. Chen 10 Jan 03
Signature Date

Post Office

Address: 3475 Oak Valley Road N.E. #2650 Atlanta, Georgia 30326
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this 10th day of January, 2003^{30.B.}, before me personally appeared **Daniel J. Chen** 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.

(SEAL)

Dagmar Biellmann
Notary Public **Dagmar Biellmann**
Notary Public, Fulton County, Georgia
My Commission Expires June 14, 2004

Full Name of Fifth

Inventor: Frates Paul S.
Last Name First Name Middle Name
Paul S. Frates 1-10-03
Signature Date

Post Office

Address: 1477 Hadaway Trail Lawrenceville, Georgia 30043
Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
COUNTY of GWINNETT)

On this 10th day of January, 2003^{30.B.}, before me personally appeared **Paul S. Frates** 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.

(SEAL)

Dagmar Biellmann
Notary Public **Dagmar Biellmann**
Notary Public, Fulton County, Georgia
My Commission Expires June 14, 2004

Full Name of Sixth

Inventor: Lewis William A.
 Last Name First Name Middle Name
William A. Lewis 1-13-03
 Signature Date

Post Office

Address: 5231 Enchanted Cove Lilburn, Georgia 30047
 Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
 COUNTY of GWINNETT)

On this 13th day of January, 2003, before me personally appeared **William A. Lewis** 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.

Dagmar Biellmann
 Notary Public
 Dagmar Biellmann
 Notary Public, Fulton County, Georgia
 My Commission Expires June 14, 2004

(SEAL)

Full Name of Seventh

Inventor: Rothrauff Kenneth E.
 Last Name First Name Middle Name
Kenneth E. Rothrauff 13 Jan 03
 Signature Date

Post Office

Address: 4115 Dollar Circle Suwanee, Georgia 30024
 Post Office Address City, State or Country Zip Code

STATE of GEORGIA)
) SS:
 COUNTY of GWINNETT)

On this 13th day of January, 2003, before me personally appeared **Kenneth E. Rothrauff** 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.

Dagmar Biellmann
 Notary Public
 Dagmar Biellmann
 Notary Public, Fulton County, Georgia
 My Commission Expires June 14, 2004

(SEAL)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Monterey

} ss.

On December 16, 2002 before me,Melissa M. Singh

Date

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

David F. Bullock and Dale T. Christensen

Name(s) of Signer(s)

☐ personally known to me☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Melissa M. Singh

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached DocumentTitle or Type of Document: Assignment Of Invention and Patents ThereonDocument Date: December 16, 2002 Number of Pages: 1 of 4Signer(s) Other Than Named Above: N/A**Capacity(ies) Claimed by Signer**

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

**RIGHT THUMBPRINT
OF SIGNER**

Top of thumb here