PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark G. MACKELPRANG	09/25/2009
Michael J. MASELLI	09/29/2009
Robert RICHARDS	09/24/2009
Victor TOLOMEI	09/23/2009
Norbert RUF	09/24/2009
Wolfgang MEINELT	09/24/2009

RECEIVING PARTY DATA

Name:	BOWE BELL + HOWELL COMPANY
Street Address:	760 S. Wolf Road
City:	Wheeling
State/Country:	ILLINOIS
Postal Code:	60090-6232

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12572764

CORRESPONDENCE DATA

Fax Number: (202)756-8087

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-756-8000

Email: kmaramba@mwe.com

Correspondent Name: MCDERMOTT WILL & EMERY LLP

Address Line 1: 600 13TH STREET, N.W.

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096

ATTORNEY DOCKET NUMBER:	063288-0855
NAME OF SUBMITTER:	Brian K. Seidleck

500979200 PATENT REEL: 023321 FRAME: 0415 12572764

Total Attachments: 24 source=063288-0855_assign#page1.tif source=063288-0855 assign#page2.tif source=063288-0855_assign#page3.tif source=063288-0855_assign#page4.tif source=063288-0855_assign#page5.tif source=063288-0855 assign#page6.tif source=063288-0855_assign#page7.tif source=063288-0855_assign#page8.tif source=063288-0855 assign#page9.tif source=063288-0855_assign#page10.tif source=063288-0855_assign#page11.tif source=063288-0855_assign#page12.tif source=063288-0855 assign#page13.tif source=063288-0855_assign#page14.tif source=063288-0855_assign#page15.tif source=063288-0855_assign#page16.tif source=063288-0855_assign#page17.tif source=063288-0855_assign#page18.tif source=063288-0855_assign#page19.tif source=063288-0855_assign#page20.tif source=063288-0855_assign#page21.tif source=063288-0855_assign#page22.tif source=063288-0855_assign#page23.tif source=063288-0855_assign#page24.tif

RECORDATION FORM COVER SHEET		
Docket No.: 063288-0855 PATENTS ONLY		
To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
1. Name of Conveying Party(ies)	2. Name and address of receiving party(ies)	
Mark G. MACKELPRANG, Michael J. MASELLI, Robert	Name: BOWE BELL + HOWELL COMPANY	
RICHARDS, Victor TOLOMEI, Norbert RUF, Wolfgang		
MEINELT		
	Internal Address:	
Additional name(s) of conveying party(ies) attached? \(\subseteq \text{Yes} \subseteq \text{No} \)		
3. Nature of Conveyance/Execution Date(s)	Address: 760 S. Wolf Road, Wheeling, Illinois 60090-6232	
,	USA	
Execution Date(s): September 25, 2009, September 29, 2009,		
September 24, 2009, September 23, 2009,		
September 24, 2009 and September 24,		
2009 (respectively)		
✓ Assignment		
Security Agreement Change of Name		
Joint Research Agreement		
Government Interest Assignment		
Executive Order 9424, Confirmatory License		
Other	Additional name(s) & address(es) attached? Yes No	
4. Application or patent number(s):	☐ This document is being filed together with a new application.	
A. Patent Application No(s).	B. Patent No(s).	
Additional numbers attac		
5. Name and address to whom correspondence concerning	6. Total number of applications and patents	
document should be mailed:	involved:	
Name: MCDERMOTT WILL & EMERY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Internal Address:	Authorized to be charged by credit card	
	Authorized to be charged to deposit account	
Street Address: 600 13th Street, N.W.	☐ Enclosed	
	None required (government interest not affecting title)	
City: Washington State: D. C. Zip: 20005-3096		
Phone Number: 202.756.8000	8. Payment Information:	
Fax Number: 202.756.8087		
Email Address:	a. Credit Card Last 4 Numbers	
	Expiration Date	
	b. Deposit Account Number 500417 Authorized User Name	
0 Signature	/ · /	
9. Signature. Brian K. Seidleck 51,321	October 2, 2009	
Name and Registration No. of Person Signing	Signature Date	
	ng cover sheet, attachments and documents: 24	
Total number of pages metudi	Doorer cream arrangements are advantaged.	

ASSIGNMENT

WHEREAS We, Mark G. MACKELPRANG, Michael J. MASELLI, Robert RICHARDS, Victor TOLOMEI, Norbert RUF and Wolfgang MEINELT of 1212 Oxford Place, Cary, NC 27511; 101 Wexwood Court, Cary, NC 27519; 118 Biehn Drive, Kitchener, Ontario N2R 1M5, Canada; 7613 Cagle Drive, Raleigh, NC 27617; Wettersteinstrasse 25, Oberottmarshausen 86507 Germany; and Krankenhausstrasse 22, Augsburg 86179 Germany, respectively, have made a certain new and useful invention as set forth in application for United States Letters Patent executed, entitled ITEM WORKFLOW TRACKING IN AN AUTOMATED PRODUCTION ENVIRONMENT, executed and filed concurrently herewith;

AND WHEREAS, Bowe Bell + Howell Company, a Corporation of the State of Delaware and having an address of 760 S. Wolf Road, Wheeling, Illinois 60090-6232, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Bowe Bell + Howell Company (Assignee), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND We hereby grant Assignee, its legal representatives, successors and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND We hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

9/25/09	Mak M. D.
Date	Mark G. Mackelprang
Date	Michael J. Maselli
Date	Robert Richards
Date	Victor Tolomei
Date	Norbert Ruf
Date	Wolfgang Meinelt
BY ASSIGNEE:	
Date:	Bowe Bell + Howell Company 760 S. Wolf Road, Wheeling, Illinois 60090-6232
	U.S.A.
e e e e e e e e e e e e e e e e e e e	BY: PRINTED:
	PRINTED.
Signature Witness:	
STATE OF NORTH CAROLINA) SS:	*·•
COUNTY OF DURHAM	
G. Mackelprang, proved to me thro	h, before me, the undersigned notary public, personally appeared Mark bugh satisfactory evidence of identification, which consisted of to be the person whose name is signed on the presence.
\mathcal{Q}_{-1}	S Cllitte
Notary Public	V CHUMO
My commission expire	Motary Public 8
	Wake Caumy North Carolina My Commission Expires #15/2014

Signature Witness:
STATE OF) SS:
COUNTY OF
On this, day of, 20, before me, the undersigned notary public, personally appeared Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted of the person whose name is signed on the preceding or attached document in my presence.
preceding or attached document in my presence.
Notary Public
My commission expires
Signature Witness:
STATE OF
COUNTY OF
On this day of, 20, before me, the undersigned notary public, personally appeare Victor Tolomei, proved to me through satisfactory evidence of identification, which consisted on the person whose name is signed on the
preceding or attached document in my presence.
Notary Public
STATE OF

009

12 1 22

Witness Signature For Robert Richards:		
Date:	Witness: Print Name	,
	Witness: Signature	

PATENT

REEL: 023321 FRAME: 0421

ASSIGNMENT

WHEREAS We, Mark G. MACKELPRANG, Michael J. MASELLI, Robert RICHARDS, Victor TOLOMEI, Norbert RUF and Wolfgang MEINELT of 1212 Oxford Place, Cary, NC 27511; 101 Wexwood Court, Cary, NC 27519; 118 Biehn Drive, Kitchener, Ontario N2R 1M5, Canada; 7613 Cagle Drive, Raleigh, NC 27617; Wettersteinstrasse 25, Oberottmarshausen 86507 Germany; and Krankenhausstrasse 22, Augsburg 86179 Germany, respectively, have made a certain new and useful invention as set forth in application for United States Letters Patent executed, entitled ITEM WORKFLOW TRACKING IN AN AUTOMATED PRODUCTION ENVIRONMENT, executed and filed concurrently herewith;

AND WHEREAS, Bowe Bell + Howell Company, a Corporation of the State of Delaware and having an address of 760 S. Wolf Road, Wheeling, Illinois 60090-6232, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Bowe Bell + Howell Company (Assignee), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND We hereby grant Assignee, its legal representatives, successors and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND We hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date	Mark G. Mackelprang
$0 \rightarrow 0 \rightarrow 0$	Michael I Maselli
9-19-09 Date	Michael J. Maselli
Date	Robert Richards
	Victor Tolomei
Date	Victor Totolici
Date	Norbert Ruf
Date	Wolfgang Meinelt
BY ASSIGNEE:	
Date: 9/29/09	Bowe Bell + Howell Company 760 S. Wolf Road, Wheeling, Illinois 60090-6232
	U.S.A.
	BY: Walter & Grand PRINTED: Walter S. Conard
	PRINTED: Walter S. Conard
Signature Witness:	
STATE OF	
COUNTY OF) SS	•
G. Mackelprang, proved to me t	, before me, the undersigned notary public, personally appeared Mark hrough satisfactory evidence of identification, which consisted of, to be the person whose name is signed on the
preceding or attached document in m	ny presence.
Notary Public	
	ires

Signature Witness:
STATE OF NORTH CAROLINA)
) SS: COUNTY OF <u>Durham</u>)
On this 29th day of 5ept, 2009, before me, the undersigned notary public, personally appeared Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted of corporate identification, which consisted of preceding or attached document in my presence.
Lamela of Clliste
Notary Public
My commission expires
Wake County North Carolina My Commission Expires 8/15/2014
Signature Witness:
STATE OF)) SS:
COUNTY OF
On this day of, 20, before me, the undersigned notary public, personally appeared <u>Victor Tolomei</u> , proved to me through satisfactory evidence of identification, which consisted on the person whose name is signed on the
preceding or attached document in my presence.
Notary Public
My commission expires

Witness Signature For Robert Richards:		
Date:	Witness: Print Name	
	Witness: Signature	

ASSIGNMENT

WHEREAS We, Mark G. MACKELPRANG, Michael J. MASELLI, Robert RICHARDS, Victor TOLOMEI, Norbert RUF and Wolfgang MEINELT of 1212 Oxford Place, Cary, NC 27511; 101 Wexwood Court, Cary, NC 27519; 118 Biehn Drive, Kitchener, Ontario N2R 1M5, Canada; 7613 Cagle Drive, Raleigh, NC 27617; Wettersteinstrasse 25, Oberottmarshausen 86507 Germany; and Krankenhausstrasse 22, Augsburg 86179 Germany, respectively, have made a certain new and useful invention as set forth in application for United States Letters Patent executed, entitled ITEM WORKFLOW TRACKING IN AN AUTOMATED PRODUCTION ENVIRONMENT, executed and filed concurrently herewith;

AND WHEREAS, Bowe Bell + Howell Company, a Corporation of the State of Delaware and having an address of 760 S. Wolf Road, Wheeling, Illinois 60090-6232, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Bowe Bell + Howell Company (Assignee), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

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Date	Mark G. Mackelprang
Date Date Date Date	Michael J. Maselli Robert Richards
Date	Victor Tolomei
Date	Norbert Ruf
Date	Wolfgang Meinelt
BY ASSIGNEE:	
Date:	Bowe Bell + Howell Company 760 S. Wolf Road, Wheeling, Illinois 60090-6232
	U.S.A.
	BY:
	PRINTED:
Signature Witness:	
STATE OF) SS:	
COUNTY OF)	
On this day of, 20	before me, the undersigned notary public, personally appeared Mark ough satisfactory evidence of identification, which consisted of, to be the person whose name is signed on the presence.
Notary Public My commission expire	es

Signature Witness:
STATE OF) SS:
COUNTY OF)
On this day of, 20, before me, the undersigned notary public, personally appeared Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted on the person whose name is signed on the
Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted on the preceding or attached document in my presence.
Notary Public My commission expires
Signature Witness:
STATE OF) SS:
COUNTY OF
On this day of, 20, before me, the undersigned notary public, personally appeare Victor Tolomei, proved to me through satisfactory evidence of identification, which consisted on the preceding or attached document in my presence.
preceding or attached document in my presence.
Notary Public
My commission expires

Witness Signature For Robert Richards:

Date:

aic.

Witness: Signature

Witness: Signature	
Witness: Print Name	
	Witness: Print Name Witness Signature

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Date	Mark G. Mackelprang
Date	Michael J. Maselli
Date 9 23/09 Date	Robert Richards Lictor Domei Victor Tolomei
Date	Norbert Ruf
Date	Wolfgang Meinelt
BY ASSIGNEE: Date:	Bowe Bell + Howell Company
	760 S. Wolf Road, Wheeling, Illinois 60090-6232
	U.S.A.
	BY:
	PRINTED:
Signature Witness:	
STATE OF) SS:	•
COUNTY OF	
G. Mackelprang, proved to me to	, before me, the undersigned notary public, personally appeared Mark hrough satisfactory evidence of identification, which consisted of, to be the person whose name is signed on the
preceding or attached document in m	y presence.
Notary Public My commission exp	ires

Signature Witness:
STATE OF)
COUNTY OF
On this day of, 20, before me, the undersigned notary public, personally appeared Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted of, to be the person whose name is signed on the preceding or attached document in my presence.
preceding or attached document in my presence.
Notary Public
My commission expires
Signature Witness: STATE OF NORTH CAROLINA)) SS:
COUNTY OF <u>burham</u>)
On this 2314 day of <u>SEPT</u> , 2009, before me, the undersigned notary public, personally appeared <u>Victor Tolomei</u> , proved to me through satisfactory evidence of identification, which consisted of <u>PERSONALLY KNOWN</u> , to be the person whose name is signed on the preceding or attached document in my presence.
2
Lamela & Cllitt
Notary Public
My commission expires Parnela S. Ellett Notary Public Wake County North Carelina My Commission Expires 8/15/2014

Witness Signature For Robert Richards:		
Date:	Witness: Print Name	
	Witness: Signature	

Witness Signature For Norbert Ruf:	
Date:	Witness: Print Name
	Witness: Signature
	·s.
Witness Signature For Wolfgang Meinelt:	
Date:	Witness: Print Name
	Witness Signature

ASSIGNMENT

WHEREAS We, Mark G. MACKELPRANG, Michael J. MASELLI, Robert RICHARDS, Victor TOLOMEI, Norbert RUF and Wolfgang MEINELT of 1212 Oxford Place, Cary, NC 27511; 101 Wexwood Court, Cary, NC 27519; 118 Biehn Drive, Kitchcner, Ontario N2R 1M5, Canada; 7613 Cagle Drive, Raleigh, NC 27617; Wettersteinstrasse 25, Oberottmarshausen 86507 Germany; and Krankenhausstrasse 22, Augsburg 86179 Germany, respectively, have made a certain new and useful invention as set forth in application for United States Letters Patent executed, entitled ITEM WORKFLOW TRACKING IN AN AUTOMATED PRODUCTION ENVIRONMENT, executed and filed concurrently herewith;

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Date	Mark G. Mackelprang
Date	Michael J. Maselli
Date	Robert Richards
Date	Victor Tolomei
09/24/2009	Was of
Date 04/24/2009	Norbert Ruf wlwelf
Date	Wolfgang Meinelt
BY ASSIGNEE:	
Date:	Bowe Bell + Howell Company 760 S. Wolf Road, Wheeling, Illinois 60090-6232
	U.S.A.
	BY:
	PRINTED:
Signature Witness:	
STATE OF	
COUNTY OF) SS:	
On this day of, 20 G. Mackelprang, proved to me thr	, before me, the undersigned notary public, personally appeared Mark rough satisfactory evidence of identification, which consisted of, to be the person whose name is signed on the presence.
preceding or attached document in my	presence.
Notary Public My commission expire	es

Signature Witness:
STATE OF) SS:
COUNTY OF)
On this day of, 20, before me, the undersigned notary public, personally appeared Michael J. Maselli, proved to me through satisfactory evidence of identification, which consisted of the person whose name is signed on the
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Notary Public
My commission expires
Signature Witness:
STATE OF)
OUNTY OF
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Victor Tolomei, proved to me through satisfactory evidence of identification, which consisted on the
preceding or attached document in my presence.
Notary Public
My commission expires

Witness Signature For Robert Richards:		
Date:	Witness: Print Name	
	Witness: Signature	•

Witness Signature For Norbert Ruf:

09/24/2009

Date:

Martin Glatzer

Witness: Print Name

Witness Signature For Wolfgang Meinelt:

09/24/2009

RECORDED: 10/02/2009

Date:

Martin Glatzer Witness: Print Name

PATENT

REEL: 023321 FRAME: 0440