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Practitioner's Docket No. 119.2

101507824

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Assignments
Commissioner of Patents and Trademarks
Washington, D.C. 20231

ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. Section 3.31)

Attached please find an assignment (document) for recordal.

IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)
FOR ASSIGNMENT (DOCUMENT) RECORDAL
(37 C.F.R. Section 3.21 and 37 C.F.R. Section 3.31(a)(4))

1. This assignment is for the following patent application and/or issued patent:

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) AND 1.10*

(When using Express Mail, the Express Mail label number is **mandatory**;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

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MAILING

☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

37 C.F.R. Section 1.8(a)

37 C.F.R. Section 1.10*

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TRANSMISSION

☐ transmitted by facsimile to the Patent and Trademark Office (703) _____

Date: Oct. 24, 2000

Signature

James Earl Lowe Jr.

(type or print name of person certifying)

11/07/2000 DNGLYEN 00000051 080757 05430102
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*WARNING: Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. Section 1.10(b).
"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement

PATENT
REEL: 011202 FRAME: 0076

a. National application: SN: 09/430,102, filed on October 29, 1999

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

2. A. The total number of applications and/or patents identified in this cover sheet is: **1**.

B. The total fee is (37 C.F.R. Section 1.21(h)):

$$1 \times \$40.00 = \$40.00$$

C. Please charge Account 08-0757 the sum of \$40.00. A duplicate of this cover sheet is attached.

Please charge Account 08-0757 for any fee deficiency or credit to account any overpayment.

**NAME OF PARTIES CONVEYING INTEREST
(37 C.F.R. Section 3.31(a)(1))**

3. The parties conveying interest are:

Joy MM Delaware, Inc.

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. Section 3.31 (a)(2))**

4. The rights are being conveyed to:

Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213

**DESCRIPTION OF INTEREST CONVEYED OR
TRANSACTION RECORDED (37 C.F.R. Section 3.31(a)(3))**

5. The accompanying document intends to accomplish an assignment.

(Assignment (Document) Cover Sheet--page 2 of 4)

**NAME AND ADDRESS OF PARTY TO WHOM
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. Section 3.31 (a)(5))**

6. Please address correspondence to:

Name: James Earl Lowe, Jr.
Address: 15417 West National Avenue, #300
New Berlin, WI 53151
Telephone No.: 414-427-0298

**DATE ASSIGNMENT (DOCUMENT) EXECUTED
(37 C.F.R. Section 3.31(a)(7))**

7.

The attached assignment (document) was executed by John P. Garniewski on behalf of Joy MM Delaware, Inc. on October 16, 2000

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

8. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

9. Submitted herewith is a true copy of the original document, which I certify to be a true copy.

(Assignment (Document) Cover Sheet--page 3 of 8)

**STATEMENT (37 C.F.R. Section 3.31(a)(9)) AND
SIGNATURE (37 C.F.R. Section 3.31(a)(10))**

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.

James Earl Lowe, Jr.

James Earl Lowe, Jr.
15417 West National Avenue, #300
New Berlin, WI 53151

TOTAL NUMBER OF PAGES BEING SUBMITTED

The total number of pages being submitted, **including documents** are: **5**.

(Assignment (Document) Cover Sheet--page 4 of 4)

ASSIGNMENT

ASSIGNMENT made by Joy MM Delaware, Inc., a corporation organized under the laws of the State of Delaware and located and doing business at 2751 Centerville Road, Suite 310, Wilmington, Delaware 19808 to Carnegie Mellon University, Pittsburgh, PA 15213.

IN CONSIDERATION of good and valuable considerations, the receipt of which is hereby acknowledged, Joy MM Delaware, Inc. does hereby sell, assign and transfer to Carnegie Mellon University, its successors and assigns, the entire right, title and interest in a Vision-based Motion Sensor for Mining Machine Control and the invention therein as set forth in an application for United States Letters Patent therefor, filed on October 29, 1999 as Serial Number 09/430102, and in and to said application and any divisions or continuations thereof, and any Letters Patent obtained for said invention in the United States and foreign countries, or issuing out of said application or any such division or continuation thereof, and any reissues or extensions of any such Letters Patent.

The Commissioner of Patents is hereby authorized and requested to issue Letters Patent for said invention to said Carnegie Mellon University, as assignee of the entire right, title and interest therein.

Executed and delivered this 16th October ~~21st~~ day of ~~September~~, 2000.

by *John P. Garbiewski, Jr.*
John P. Garbiewski, Jr.
President
Joy MM Delaware, Inc.

State of Delaware)

)ss.

County of New Castle)

The above personally appeared before me this 16th day of October, 2000, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Michelle E. Williams
Notary Public
My Commission Expires: 5/12/02