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| APPLICATION NUMBER | PATENT NUMBER | GROUP ART UNIT | FILE WRAPPER LOCATION |
|--------------------|---------------|----------------|-----------------------|
| 60/067,466         |               |                | 9200I 0041 020 10     |



**Correspondence Address/Fee Address Change**

The following fields have been set to Customer Number 83765 on 12/24/2008

- Correspondence Address
- Power of Attorney Address

The address of record for Customer Number 83765 is:

83765  
SCHACHT LAW OFFICE , INC.  
ROY-G-BIV CORPORATION  
SUITE 202, 2801 MERIDIAN ST.  
BELLINGHAM, WA 98225

**ABB Inc.**  
**EXHIBIT 1017**

PART 1 - ATTORNEY/APPLICANT COPY



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| APPLICATION NUMBER | PATENT NUMBER | GROUP ART UNIT | FILE WRAPPER LOCATION |
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| 60/067,466         |               |                | 92001  0041  020  10  |

## Correspondence Address / Fee Address Change

The following fields have been set to Customer Number 30662 on 08/10/2005

- Correspondence Address
- Maintenance Fee Address

The address of record for Customer Number 30662 is:

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12/04/97  
19 U.S. PTO

December 4, 1997

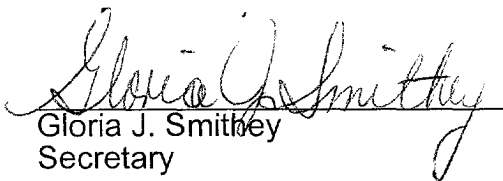
Box Provisional Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is a Provisional Continuation-In-Part Patent Application in re:

Inventors: DAVID W. BROWN and JAY S. CLARK  
Title: MOTION CONTROL SYSTEMS AND METHODS  
Attorney's Docket No.: P210160  
**Date of Deposit: DECEMBER 4, 1997**  
**"Express Mail" mailing label number: E1169868076US**

I hereby certify that this Provisional Continuation-In-Part Patent Application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Box Provisional Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Gloria J. Smitley  
Secretary

**PLEASE GIVE THIS APPLICATION THE FILING DATE OF DECEMBER 4, 1997.**

Box Provisional Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

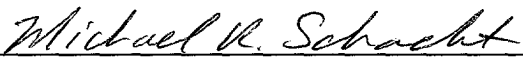
Transmitted herewith for filing is a Provisional Continuation-In-Part Patent Application in re:

Inventors: DAVID W. BROWN and JAY S. CLARK  
Title: MOTION CONTROL SYSTEMS AND METHODS  
Attorney's Docket No.: P210160  
**Date of Deposit: DECEMBER 4, 1997**  
**"Express Mail" mailing label number: E1169868076US**

1. Enclosed are:

- a) Provisional Patent Application consisting of EIGHT (8) pages including THREE (3) drawing Figures and ONE (1) Table;
- b) Provisional Application Cover Sheet;
- c) A check in the amount of \$150 for Provisional Patent Application Filing Fee; and
- d) A stamped return receipt postcard.

3. The Commissioner is hereby authorized to charge payment of any additional filing fees under 35 CFR 1.16 for the presentation of extra claims or any patent application processing fees under 37 CFR 1.17 associated with this communication to Account No. 08-3260 and to credit any overpayment to that account.

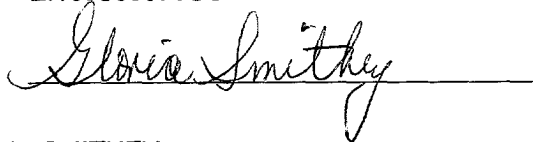
  
Michael R. Schacht, Reg. No. 33,550  
HUGHES, MULTER & SCHACHT, P.S.  
1720 Iowa Street  
Bellingham, WA 98226  
(360) 647-1296

EXPRESS MAIL CERTIFICATE OF MAILING  
37 C.F.R. §1.10

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service, Express Mail Post Office to Addressee, in an envelope addressed to BOX PROVISIONAL PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231, on the date shown below.

Express Mail No: E1169868076US

Signature:



Print Name: GLORIA SMITHEY

**DATE MAILED: DECEMBER 4, 1997**

### PROVISIONAL APPLICATION COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION under 37 CFR 1.53 (b)(2).

|               |         |   |   |
|---------------|---------|---|---|
| Docket Number | P210160 | Type a plus sign (+) inside this box -> | + |
|---------------|---------|---|---|

| INVENTOR(s)/APPLICANT(s)   |  |                  |  |                                     |   |       |
|--|--|------------------|--|-------------------------------------|---|-------|
| LAST NAME  | FIRST NAME   | MIDDLE INITIAL   | RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY) |                                     |   |       |
| BROWN  | DAVID  | W.               | Bingen, Washington 98605                             |                                     |   |       |
| CLARK  | JAY  | S.               | Seattle, Washington 98109                            |                                     |   |       |
| TITLE OF THE INVENTION (280 characters max)  |  |                  |  |                                     |   |       |
| MOTION CONTROL SYSTEMS AND METHODS   |  |                  |  |                                     |   |       |
| CORRESPONDENCE ADDRESS   |  |                  |  |                                     |   |       |
| Michael R. Schacht<br>Hughes, Multer & Schacht, P.S.<br>1720 Iowa Street<br>Bellingham, Washington 98226<br><span style="float: right;">Attorney for Applicants</span> |  |                  |  |                                     |   |       |
| STATE  | WA   | ZIP CODE         | 98226  | COUNTRY                             | U.S.  |       |
| ENCLOSED APPLICATION PARTS (check all that apply)  |  |                  |  |                                     |   |       |
| <input checked="" type="checkbox"/>  | Specification  | Number of Pages  | 8 including  | <input type="checkbox"/>            | Small Entity Statement  |       |
| <input checked="" type="checkbox"/>  | Drawing(s)   | Number of Sheets | 3 drawings + 1 table                                 | <input checked="" type="checkbox"/> | Other (specify) Transmittal letter; return postcard; Express Mail Certificate of Mailing; check |       |
| METHOD OF PAYMENT (check one)  |  |                  |  |                                     |   |       |
| <input checked="" type="checkbox"/>  | A check or money order is enclosed to cover the Provisional filing fees                        |                  |  |                                     | PROVISIONAL FILING FEE AMOUNT (\$)  | \$150 |
| <input checked="" type="checkbox"/>  | The Commissioner is hereby authorized to charge filing fees and credit Deposit Account Number: |                  | 08-3260  |                                     |   |       |

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

- No.
- Yes, the name of the U.S. Government agency and the Government contract number are: \_\_\_\_\_

Respectfully submitted,

SIGNATURE Michael R. Schacht

Date 12, 4, 97

TYPED or PRINTED NAME Michael R. Schacht  
Attorney for Applicants

REGISTRATION NO. 33,550  
(if appropriate)

Additional inventors are being named on separately numbered sheets attached hereto

### PROVISIONAL APPLICATION FILING ONLY

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