LAUKIEN JOERG C

Form 4

December 15, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

Expires:

3235-0287 Number: January 31,

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

(Last)

(Instr. 3)

1. Name and Address of Reporting Person * LAUKIEN JOERG C

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Middle)

BRUKER CORP [BRKR] 3. Date of Earliest Transaction

(Month/Day/Year) 12/13/2010

X_ Director 10% Owner Other (specify Officer (give title below)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

BADEN-BADEN, 2M D-76530

MARKGRAFENSTRASSE 34

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

4. Securities Acquired (A) 5. Amount of Securities Beneficially Owned Following Reported

7. Nature of Ownership Indirect Form: Beneficial Direct (D) Ownership or Indirect (Instr. 4)

(A) Code V Amount (D) Transaction(s) (Instr. 4) (Instr. 3 and 4)

Price Common 12/13/2010 S 926,900 D 16.98 Stock

19,024,280 D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transact | 5. ionNumber | 6. Date Exer Expiration D | | 7. Titl Amou | | 8. Price of Derivative | 9. Nu Deriv |
|------------------------|------------------|--------------------------------------|-------------------------------|----------------|-----------------|---------------------------|------------|-----------------|----------|------------------------|----------------|
| Security | or Exercise | | any | Code | of | (Month/Day | /Year) | Under | lying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivativ | ve . | | Securi | ities | (Instr. 5) | Bene |
| | Derivative | | | | Securitie | S | | (Instr. | 3 and 4) | | Owne |
| | Security | | | | Acquired | l | | | | | Follo |
| | • | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | l | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | Code V | (A) (D) | Date | Expiration | Title | Amount | | |
| | | | | Code v | (A) (D) | Exercisable | Date | Title | or | | |
| | | | | | | Exercisable | Date | | Number | | |
| | | | | | | | | | of | | |
| | | | | | | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|---------|-------|--|--|--|
| 1 8 | Director | 10% Owner | Officer | Other | | | |
| LAUKIEN JOERG C MARKGRAFENSTRASSE 34 BADEN-BADEN, 2M D-76530 | X | X | | | | | |

Signatures

/s/ Constance Andrews,
Attorney-in-Fact
12/15/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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