Monahan Brian P Form 4 September 13, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

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Estimated average burden hours per response...

if no longer subject to Section 16. Form 4 or

Check this box

SECURITIES 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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Form 5

obligations

(Print or Type Responses)

1. Name and Address of Reporting Person * Monahan Brian P

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

Director

(Last)

(Middle)

(Zip)

Execution Date, if

(Month/Day/Year)

BRUKER CORP [BRKR] 3. Date of Earliest Transaction

(Check all applicable)

(First)

(Month/Day/Year)

10% Owner X_ Officer (give title Other (specify

70 TENNEY ROAD

09/09/2011

below) VP - Strategic Planning

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person

6. Individual or Joint/Group Filing(Check

(Instr. 8)

Form filed by More than One Reporting

(Instr. 4)

Person

WESTFORD, MA 01886

(City)

Security

(Instr. 3)

1. Title of 2. Transaction Date 2A. Deemed

(State)

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I)

(Instr. 4)

(9-02)

(A)

Reported Transaction(s)

Following

Code V Amount (D) Price

(Instr. 3, 4 and 5)

(Instr. 3 and 4)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number Transaction of Derivative Expiration Date Securities Code

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A) or Disposed of

> (D) (Instr. 3, 4, and 5)

(A) Code V (D) Date Exercisable Expiration

Title Date

> Number of Shares

or

Amount

Stock

Buy)

Option (Right to

\$ 12.55 09/09/2011

9,000 A

09/09/2012(1) 09/09/2021

Common

9,000 Stock

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Monahan Brian P 70 TENNEY ROAD WESTFORD, MA 01886

VP - Strategic Planning

Signatures

/s/ Constance Andrews, Attorney-in-Fact

09/13/2011

**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).
- (1) The option vests in five equal annual installments beginning on September 9, 2012.

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.

Reporting Owners 2