LAUKIEN FRANK H

Check this box

if no longer

Section 16.

Form 4 or

obligations

may continue.

Form 5

subject to

Form 4

August 03, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **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

30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LAUKIEN FRANK H

2. Issuer Name and Ticker or Trading

Symbol

BRUKER CORP [BRKR]

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)

08/03/2009

C/O BRUKER CORPORATION, 40 MANNING ROAD

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

CEO/President

_X__ 10% Owner

__ Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Applicable Line)

_X__ Director X_ Officer (give title

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

Person

Issuer

below)

BILLERICA, MA 01821

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	Secur	ities Acqui	red, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securities Acquired (A) our Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	08/03/2009		P	800	A	\$ 9.92	38,375,245	D	
Common Stock	08/03/2009		P	200	A	\$ 9.925	38,375,445	D	
Common Stock	08/03/2009		P	2,200	A	\$ 9.93	38,377,645	D	
Common Stock	08/03/2009		P	1,000	A	\$ 9.95	38,378,645	D	
Common Stock	08/03/2009		P	1,310	A	\$ 9.99	38,379,955	D	

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Common Stock	08/03/2009	P	1,010	A	\$ 10	38,380,965	D
Common Stock	08/03/2009	P	3,929	A	\$ 10.01	38,384,894	D
Common Stock	08/03/2009	P	1,000	A	\$ 10.018	38,385,894	D
Common Stock	08/03/2009	P	10,580	A	\$ 10.02	38,396,474	D
Common Stock	08/03/2009	P	700	A	\$ 10.025	38,397,174	D
Common Stock	08/03/2009	P	900	A	\$ 10.028	38,398,074	D
Common Stock	08/03/2009	P	18,771	A	\$ 10.03	38,416,845	D
Common Stock	08/03/2009	P	2,640	A	\$ 10.04	38,419,485	D
Common Stock	08/03/2009	P	1,300	A	\$ 10.045	38,420,785	D
Common Stock	08/03/2009	P	1,200	A	\$ 10.048	38,421,985	D
Common Stock	08/03/2009	P	18,900	A	\$ 10.05	38,440,885	D
Common Stock	08/03/2009	P	1,800	A	\$ 10.06	38,442,685	D
Common Stock	08/03/2009	P	1,977	A	\$ 10.07	38,444,662	D
Common Stock	08/03/2009	P	2,383	A	\$ 10.08	38,447,045	D
Common Stock	08/03/2009	P	1,000	A	\$ 10.16	38,448,045	D
Common Stock	08/03/2009	P	700	A	\$ 10.21	38,448,745	D
Common Stock	08/03/2009	P	400	A	\$ 10.27	38,449,145	D
Common Stock	08/03/2009	P	300	A	\$ 10.28	38,449,445	D

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

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SEC 1474 (9-02)

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Tear)	any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/		Underly Securiti (Instr. 3	ying ies	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
LAUKIEN FRANK H C/O BRUKER CORPORATION 40 MANNING ROAD BILLERICA, MA 01821	X	X	CEO/President				

Signatures

Frank H.

Laukien 08/03/2009

**Signature of Date

Reporting Person

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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