Worthington Gajus Vincent Form 4

January 26, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

Check this box if no longer

subject to Section 16. Form 4 or Form 5

obligations may continue. See Instruction

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

1(b).

OMB APPROVAL

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

0.5

(Print or Type Responses)

(Last)

(City)

Common

Stock

1. Name and Address of Reporting Person * Worthington Gajus Vincent

(First)

FLUIDIGM CORPORATION, 7000

(Street)

(State)

01/25/2012

SHORELINE COURT, SUITE 100

(Middle)

(Zip)

2. Issuer Name and Ticker or Trading Symbol

FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction

(Month/Day/Year) 01/25/2012

3.

Code V

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

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

President & CEO

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

SOUTH SAN FRANCISCO, CA 94080

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

Code (Month/Day/Year)

Transaction(A) or Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Amount

(A)

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

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

Beneficial Ownership (Instr. 4)

I

(Instr. 3 and 4) Price

 $S^{(1)}$ 20,000 D \$ 14 325,159

or

(D)

See Footnote

(2)

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 Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)			7. Title a Amount of Underlying Securities (Instr. 3 a	unt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Worthington Gajus Vincent FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100 SOUTH SAN FRANCISCO, CA 94080	X		President & CEO				

Signatures

/s/ William M. Smith, attorney-in-fact 01/26/2012

**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).
- The sales reported were effected pursuant to a Rule 10b5-1 trading plan adopted on August 29, 2011 by the Worthington Family Trust (1) dated March 6, 2007, a trust for the benefit of the Reporting Person and the Reporting Person's spouse, for which the Reporting Person
- (1) dated March 6, 2007, a trust for the benefit of the Reporting Person and the Reporting Person's spouse, for which the Reporting Person and the Reporting Person's spouse serve as trustees.
- (2) Shares held directly by the Worthingon Family Trust dated March 6, 2007.

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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