

Worthington Gajus Vincent
 Form 4
 February 17, 2011

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

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

(Last) (First) (Middle)

FLUIDIGM CORPORATION, 7000
 SHORELINE COURT, SUITE 100

(Street)

SOUTH SAN
 FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/15/2011

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 President & CEO

6. Individual or Joint/Group Filing(Check Applicable Line)
 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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)	
				(A) or (D)	Amount	Price		
Common Stock	02/15/2011	02/15/2011	X(1)	A	\$ 0 (2)	375,160	I	See Footnote (3)
Common Stock	02/15/2011	02/15/2011	F(1)(4)	D	\$ 13.5	375,159	I	See Footnote (3)

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

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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 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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price or Value of Underlying Securities (Instr. 3 and 4)
Series E-1 Preferred Warrant (Right to Buy)	\$ 0.02	02/15/2011	02/15/2011	X	515	01/06/2011 <u>(4)(5)</u>	Common Stock	515

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			President & CEO	

Signatures

/s/ William Smith,
attorney-in-fact

02/16/2011

__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) Represents shares of Common Stock issued upon the exercise and subsequent conversion of a Warrant to purchase shares of Series E-1 Preferred Stock and has no expiration date.
- (2) Not applicable.
- (3) Gajus V. Worthington and Jami A. Worthington as TTEEs of the Worthington Family Trust UAD dated March 6, 2007 are the record holder of the securities reported.

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- (4) Each share of Series E-1 Preferred Stock automatically converted into one share of Common Stock on February 15, 2011, the closing date of the Issuer's initial public offering (the "Closing").
- (5) The warrant was automatically net exercised immediately prior to the Closing.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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