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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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1. Name and Addre			. Issuer Name and Ticker IAEMONETICS					ationship of Reportin k all applicable) Director Officer (give title	10% (
(Last) 400 WOOD RC	(First) DAD	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 11/01/2006						below) below) VP, Planning and Control			
(Street)		4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)				
BRAINTREE	MA							X	Form filed by One	e Reporting Pers	on		
(City)	(State)	(Zip)								Form filed by More than One Reporting Person			
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned													
Date			2. Transaction Date (Month/Day/Y	Execution Date,		action (Instr.	4. Securities Disposed Of 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code V		Amount (A) or (D)		Price	Transaction(s) (Instr. 3 and 4)				
Common Stock 11/01/				06	P ⁽¹⁾		140	A	\$38.76	734	D		
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. Transa Code (8)		5. Nu of Deriv Secu Acqu (A) o Dispo of (D (Instr and §	rities lired r osed) r. 3, 4	6. Date Exerci Expiration Dat (Month/Day/Ye	te	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non- Qualified Stock Option (right to buy)	\$26.105							(2)	05/05/2014	Common Stock	5,000		5,000	D	
Non- Qualified Stock Option (right to buy)	\$30.385							(2)	05/28/2012	Common Stock	12,500		12,500	D	
Non- Qualified Stock Option (right to buy)	\$41.15							(2)	07/27/2012	Common Stock	5,000		5,000	D	
Non- Qualified Stock Option (right to buy)	\$52.76							05/05/2007 ⁽²⁾	05/05/2013	Common Stock	7,282		7,282	D	

Explanation of Responses:

1. Acquisition of shares of Common Stock pursuant to the Employee Stock Purchase Plan. Participant elected to purchase shares at least six months in advance of the effective date of the transaction.

2. Grant to reporting person of right to buy shares of common stock exercisable in annual increments of 25 percent beginning on the first anniversary of the date of grant.

<u>Susan M Hanlon</u> ** Signature of Reporting Person <u>11/03/2006</u> Date

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

 * 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.

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 Number.