Brennan Ita M Form 4 August 09, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB 3235-0287

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may continue.

See Instruction

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(b).

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Brennan Ita M Issuer Symbol INFINERA CORP [INFN] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title _ Other (specify C/O INFINERA 08/05/2010 below) CORPORATION, 169 JAVA Chief Financial Officer **DRIVE** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

SUNNYVALE, CA 94089

(State)

(City)

(City)	(State)	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. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	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	08/05/2010		M	1,504	A	\$ 0	6,141	D			
Common Stock	08/06/2010		S <u>(1)</u>	575	D	\$ 8.958 (2)	5,566	D			

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

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Person

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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. Transac Code (Instr. 8		Deri Secu Acqu (A) (Disp of (I	vative rities nired or osed o) r. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price Deriva Securit (Instr.
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted stock units	(3)	08/05/2010		M			715	<u>(4)</u>	<u>(4)</u>	Common Stock	715	\$ (
Restricted stock units	(3)	08/05/2010		M			789	<u>(5)</u>	(5)	Common Stock	789	\$ (
Restricted stock units	(3)							<u>(6)</u>	<u>(6)</u>	Common Stock	5,280	
Restricted stock units	(3)							<u>(7)</u>	<u>(7)</u>	Common Stock	12,500	
Restricted stock units	(3)							<u>(8)</u>	(8)	Common Stock	16,500	
Restricted stock units	(3)							<u>(9)</u>	(9)	Common Stock	4,050	
Restricted stock units	(3)							(10)	(10)	Common Stock	37,500	

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				

Brennan Ita M C/O INFINERA CORPORATION 169 JAVA DRIVE SUNNYVALE, CA 94089

Chief Financial Officer

Signatures

/s/ Michael O. McCarthy, by power of attorney 08/09/2010

**Signature of Reporting Person Date

Reporting Owners 2

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 reported sale was effected to satisfy the Reporting Person's tax obligation in connection with the issuance of shares pursuant to the vesting of restricted stock units on August 5, 2010.
- The sale price reported in column 4 of Table I represents the weighted average sale price of the shares sold ranging from \$8.94 to \$8.9582 per share. Upon request by the Commission staff, the Issuer, or a security holder of the Issuer, the Reporting Person will provide full information regarding the number of shares sold at each separate price.
- (3) Each restricted stock unit represents a contingent right to receive one share of INFN common stock.
- (4) The remaining restricted stock units vest in ten equal quarterly installments beginning on November 5, 2010.
- (5) The remaining restricted stock units vest in fourteen equal quarterly installments beginning on November 5, 2010.
- (6) The restricted stock units vest in three equal annual installments beginning on October 1, 2010.
- (7) The restricted stock units fully vest on December 31, 2010.
- (8) The restricted stock units fully vest on April 1, 2011.
- (9) The restricted stock units vest in three equal annual installments beginning on April 1, 2011.
- (10) The restricted stock units vest in four equal annual installments beginning on July 1, 2011.

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.