Welch David F Form 4 October 12, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

OMB APPROVAL

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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

1(b).

Form 5

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Welch David F 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 09/24/2010 below) CORPORATION, 169 JAVA Chief Mktg & Strategy 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

(City)	(State) (Z	Zip) Table	quired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2. Transaction Date 2A. Deemed 3 (Month/Day/Year) Execution Date, if any (Month/Day/Year) (Month/Day/Year)		4. SecurionAcquired Disposed (Instr. 3,	l (A) or l 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	09/24/2010		<u>J(1)</u>	1,848	A	\$0	969,493	I	See footnote (2)	
Common Stock							11,177	D		
Common Stock							84,660	I	See footnote (3)	
Common Stock							553,750	I	See footnote (4)	
Common Stock							500,000	I	See footnote (5)	

Common 2,500 I See

Stock footnote $\underline{(6)}$

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

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SEC 1474

(9-02)

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)	4. Transaction Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	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	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Welch David F C/O INFINERA CORPORATION 169 JAVA DRIVE

Chief Mktg & Strategy Officer

Signatures

SUNNYVALE, CA 94089

/s/ Michael O. McCarthy, by power of attorney 10/12/2010

**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) Shares acquired pursuant to a pro rata distribution from Benchmark Founders' Fund VI, L.P. of which the Reporting Person is a limited partner.
- (2) Shares held directly by LRFA, LLC of which the Reporting Person is the sole managing member.

Reporting Owners 2

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- (3) Shares held directly by the Welch Family Trust dated 4/3/96 for which the Reporting Person serves as trustee.
- (4) Shares held directly by SEI Private Trust Company, Trustee of the Welch Family Heritage Trust I u/I dated 9/24/01.
- (5) Shares held directly by Welch Group, L.P. of which the Reporting Person is the general partner.
 - Shares held directly by the Reporting Person as a trustee for his minor children. The Reporting Person disclaims beneficial ownership of
- (6) the shares held in trust for his minor children, and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of the shares held in trust for his minor children for purposes of Section 16 or for any other purpose.

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.