FORM 4

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

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

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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 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
Welch David F	**INFINERA CORP [INFN]**	
(Last) (First) (Middle) **C/O INFINERA CORPORATION, 140 CASPIAN COURT**	3. Date of Earliest Transaction (MM/DD/YYYY) **3/16/2015**	__ **X** __ Director _____ 10% Owner __ **X** __ Officer (give title below) _____ Other (specify below) **President**
(Street) **SUNNYVALE, CA 94089** (City) (State) (Zip)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ 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. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock								**14132**	**D**	
Common Stock	**3/16/2015**		**S** (1)		**10000**	**D**	**$18.7842** (2)	**277966**	**I**	**See Footnote** (3)
Common Stock	**3/16/2015**		**S** (4)		**20000**	**D**	**$18.8448** (5)	**180000**	**I**	**See Footnote** (6)
Common Stock								**319493**	**I**	**See Footnote** (7)
Common Stock								**553750**	**I**	**See Footnote** (8)
Common Stock								**2500**	**I**	**See Footnote** (9)

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: 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				
Employee Stock Option (Right to Buy)	**$2.00**							(10)	**8/8/2016**	**Common Stock**	**50000**		**50000**	**D**	
Employee Stock Option (Right to Buy)	**$2.00**							(10)	**8/8/2016**	**Common Stock**	**137500**		**137500**	**D**	
Employee Stock Option (Right to	**$8.19**								**11/23/2016**	**Common**	**75000**		**75000**	**D**	

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: 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				
Buy)								(10)		**Stock**					
Employee Stock Option (Right to Buy)	**$7.61**							(10)	**6/6/2017**	**Common Stock**	**29214**		**29214**	**D**	
Employee Stock Option (Right to Buy)	**$7.61**							(10)	**6/6/2017**	**Common Stock**	**101342**		**101342**	**D**	
Employee Stock Option (Right to Buy)	**$7.61**							(10)	**2/28/2018**	**Common Stock**	**2817**		**2817**	**D**	
Employee Stock Option (Right to Buy)	**$7.61**							(10)	**2/28/2018**	**Common Stock**	**81683**		**81683**	**D**	
Employee Stock Option (Right to Buy)	**$7.11**							(10)	**2/10/2019**	**Common Stock**	**100000**		**100000**	**D**	
Employee Stock Option (Right to Buy)	**$7.45**							(10)	**8/10/2019**	**Common Stock**	**150000**		**150000**	**D**	
Employee Stock Option (Right to Buy)	**$8.58**							(10)	**2/10/2021**	**Common Stock**	**20250**		**20250**	**D**	
Employee Stock Option (Right to Buy)	**$8.58**							(10)	**2/10/2021**	**Common Stock**	**60750**		**60750**	**D**	
Employee Stock Option (Right to Buy)	**$8.58**							(10)	**2/10/2021**	**Common Stock**	**39465**		**39465**	**D**	
Employee Stock Option (Right to Buy)	**$8.58**							(10)	**2/10/2021**	**Common Stock**	**41535**		**41535**	**D**	
Restricted Stock Units	(11)							(12)	(12)	**Common Stock**	**20000**		**20000**	**D**	
Restricted Stock Units	(11)							(13)	(13)	**Common Stock**	**36000**		**36000**	**D**	
Restricted Stock Units	(11)							(14)	(14)	**Common Stock**	**62770**		**62770**	**D**	
Restricted Stock Units	(11)							(15)	(15)	**Common Stock**	**28770**		**28770**	**D**	
Restricted Stock Units	(11)							(16)	(16)	**Common Stock**	**28770**		**28770**	**D**	

Explanation of Responses:

(1) This sale was made in connection with the Rule 10b5-1 Trading Plan for The Welch Family Trust u/a dtd 04/03/1996 ("The Welch Family Trust"), which was adopted on May 29, 2014.

(2) This price represents the weighted average sale price of the shares sold in multiple transactions at prices ranging from $18.57 to $18.96 per share. Upon request by the staff of the Securities and Exchange Commission, Infinera Corporation (the "Company") or a security holder of the Company, Dr. Welch will provide full information regarding the number of shares sold at each separate price.

(3) These shares are held directly by The Welch Family Trust, for which Dr. Welch is a trustee.

(4) This sale was made in connection with the Rule 10b5-1 Trading Plan for The Welch Group, L.P. ("The Welch Group"), which was adopted on May 29, 2014.

(5) This price represents the weighted average sale price of the shares sold in multiple transactions at prices ranging from $18.57 to $18.99 per share. Upon request by the staff of the Securities and Exchange Commission, the Company or a security holder of the Company, Dr. Welch will provide full information regarding the number of shares sold at each separate price.

(6) These shares are held directly by The Welch Group, for which Dr. Welch is the general partner.

(7) These shares are held directly by LRFA, LLC, for which Dr. Welch is the sole managing member.

(8) These shares are held directly by SEI Private Trust Company, Trustee of The Welch Family Heritage Trust I u/I dated 9/24/01.

(9) These shares are held directly by Dr. Welch as a trustee for his children. Dr. Welch disclaims beneficial ownership of the shares held in

trust for his children, and this report shall not be deemed an admission that Dr. Welch is the beneficial owner of the shares held in trust for his children for purposes of Section 16 or for any other purpose.

(10) This option is fully-vested.

(11) Each restricted stock unit ("RSU") represents a contingent right to receive one share of the Company's common stock.

(12) These RSUs vest in three annual installments beginning on February 5, 2014.

(13) These RSUs vest in four annual installments beginning on August 5, 2014.

(14) These RSUs vest in three annual installments beginning on May 5, 2015.

(15) These RSUs vest in three annual installments beginning on May 5, 2016.

(16) These RSUs vest as to 50% of the shares on May 5, 2017 and 50% of the shares on May 5, 2018.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Welch David F **C/O INFINERA CORPORATION** **140 CASPIAN COURT** **SUNNYVALE, CA 94089**	**X**		**President**	

Signatures

/s/ Michael Post, by Power of Attorney — **3/18/2015**

** Signature of Reporting Person — 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 control number.