Eigner Frederic Form 4 February 22, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Eigner Frederic Issuer Symbol DERMA SCIENCES, INC. [DSCI] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 214 CARNEGIE CENTER SUITE 02/17/2012 below) below) 300 Executive VP - Operations (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

PRINCETON, NJ 08540

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Amount (D) Price \$0 common 02/17/2012 $A^{(1)}$ 3,000 3,000 D (2) stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactio 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
stock option (right to buy)	\$ 4.95	02/17/2012		A	2,500	02/17/2012	01/20/2021	common stock	2,500
stock option (right to buy)	\$ 8.75	02/17/2012		A	9,600	02/17/2012(5)	02/17/2022	common stock	9,600

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Eigner Frederic 214 CARNEGIE CENTER SUITE 300 PRINCETON, NJ 08540			Executive VP - Operations			

Signatures

/s/ Frederic
Eigner

**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) Reflects the award of common stock pursuant to the grant of performance-based restricted stock units, previously reported on January 25, 2011. The performance criteria for 2011 were met, resulting in the vesting of 3,000 restricted stock units.
- (2) Upon vesting, the reporting person received the number of shares of the issuer's common stock equal to the number of restricted stock units, in consideration of the reporting person's services to the issuer and without payment of cash consideration.
- (3) The options were issued in consideration of the reporting person's services to the issuer and without payment of cash consideration, under the issuer's stock option plan.
- (4) As previously reported, on January 25, 2011, the reporting person was granted an option to purchase 10,000 shares of common stock pursuant to the issuer's stock option plan. The options were to vest, if at all, to the extent of the issuer's performance in 2011 and the reporting person's contribution thereto as determined by the issuer's board of directors. Based on the satisfaction of certain performance criteria for 2011, the option to purchase 5,000 shares of common stock vested on August 31, 2011 and the option to purchase 2,500 shares

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of common stock vested on February 17, 2012. The options that do not vest by December 31, 2012 will be forfeited.

(5) The options, granted pursuant to the issuer's stock option plan, vested as to 25% on February 17, 2012, the date of the execution of the stock option agreement reflecting the subject grant, and will vest as to an additional 25% on February 17 of 2013, 2014 and 2015.

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.