Hoefing Mark S Form 4 September 10, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

Check this box

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 See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Hoefing Mark S

(First)

(State)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Estimated average

burden hours per

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January 31,

2005

0.5

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Number:

Expires:

response...

(Last)

(City)

(Middle)

(Zip)

PERCEPTRON INC/MI [PRCP]

3. Date of Earliest Transaction

(Month/Day/Year)

(Check all applicable)

47827 HALYARD DRIVE

09/06/2012

Director 10% Owner X_ Officer (give title Other (specify below)

Senior Vice President

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

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

Person Demirative Counities Assumed Disposed of an Demoficially Or

PLYMOUTH, MI 48170

| (City) | (State) | Table | e I - Non-Do | erivative S | Securi | ities Acq | juired, Disposed o | f, or Beneficial | ly Owned |
|--------------------------------------|--------------------------------------|---|---|-------------|------------------|--|--|---|----------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following | 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 | Reported Transaction(s) (Instr. 3 and 4) | | |
| Common Stock | 09/06/2012 | | M | 3,000 | A | \$ 1.73 | 84,227 (1) | D | |
| Common Stock | 09/06/2012 | | S | 3,000 | D | \$ 5.3 | 81,227 | D | |
| Common Stock | 09/10/2012 | | M | 3,000 | A | \$ 1.73 | 84,227 | D | |
| Common Stock | 09/10/2012 | | S | 3,000 | D | \$ 5.5 | 81,227 | D | |

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) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transactic Code (Instr. 8) | 5. Number on 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 |
| Employee Stock Option | \$ 1.73 | 09/06/2012 | | M | 3,000 | (2) | 12/01/2012 | Common Stock | 3,000 |
| Employee Stock Option (right to buy) | \$ 1.73 | 09/10/2012 | | M | 3,000 | <u>(2)</u> | 12/01/2012 | Common Stock | 3,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hoefing Mark S

47827 HALYARD DRIVE Senior Vice President

PLYMOUTH, MI 48170

Signatures

David W Geiss on behalf of Mark S Hoefing 09/10/2012

**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) Includes 1,864 shares acquired under the Issuer's Employee Stock Purchase Plan since the last report filed.

(2)

Reporting Owners 2

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On 12/02/2002, the reporting person was granted an option to purchase 10,000 shares of Common Stock under the 1998 Global Team Member Stock Option Plan, an exempt Plan. The options vested at 25% annually on the anniversary of the grant date.

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.