

Stafford Susan Yang  
Form SC 13G  
August 16, 2010

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UNITED STATES

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

SCHEDULE 13G  
Under the Securities Exchange Act of 1934\*  
(Amendment No. )\*

Aware, Inc.  
(Name of Issuer)

Common Stock  
(Title of Class of Securities)

05453N-10-0  
(CUSIP Number)

August 4, 2010  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13G

CUSIP No.  
05453N-10-0

- 1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)  
Susan Yang Stafford
- 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) o  
(b) o
- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION  
U.S.A.
- |              |                          |                        |
|--------------|--------------------------|------------------------|
| 5            | SOLE VOTING POWER        |                        |
|              |                          | 3,395,025              |
| 6            | SHARED VOTING POWER      |                        |
| NUMBER OF    |                          | 0                      |
| SHARES       |                          |                        |
| BENEFICIALLY |                          |                        |
| OWNED BY     | 7                        | SOLE DISPOSITIVE POWER |
| EACH         |                          |                        |
| REPORTING    |                          | 3,395,025              |
| PERSON WITH  |                          |                        |
| 8            | SHARED DISPOSITIVE POWER |                        |
|              |                          | 0                      |
- 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
3,395,025
- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (SEE INSTRUCTIONS) o
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
17.04%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IN

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CUSIP No.  
05453N-10-0

Item Name of Issuer:

1(a).

Aware, Inc.

Item Address of Issuer's Principal Executive Offices:

1(b).

40 Middlesex Turnpike  
Bedford, MA 01730

Item Name of Person Filing:

2(a).

Susan Yang Stafford

Item Address of Principal Business Office or, if none, Residence:

2(b).

230 South LaSalle Street, Suite 400  
Chicago, IL 60604-1408

Item Citizenship:

2(c).

U.S.A.

Item Title of Class of Securities:

2(d).

Common Stock, \$.01 par value per share

Item CUSIP Number:

2(e).

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Item 3. If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b), check whether the person filing is a:

- (a)  Broker or dealer registered under Section 15 of the Exchange Act;
- (b)  Bank as defined in Section 3(a)(6) of the Exchange Act;
- (c)  Insurance company as defined in Section 3(a)(19) of the Exchange Act;
- (d)  Investment company registered under Section 8 of the Investment Company Act;
- (e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);

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- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J);

If this statement is filed pursuant to Rule 13d-1(c), check this box.

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CUSIP No.  
05453N-10-0

Item 4. Ownership

- (a) Amount beneficially owned:  
3,395,025 shares
- (b) Percent of class:  
17.04%

The percentage of shares of Common Stock beneficially owned by the Reporting Person is based on a total of 19,927,982 shares of Common Stock of the Issuer outstanding as of July 26, 2010, as reported on the most recent quarterly report of the Issuer on Form 10-Q dated July 28, 2010.

- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote: 3,395,025
  - (ii) Shared power to vote or to direct the vote: 0
  - (iii) Sole power to dispose or to direct the disposition of: 3,395,025
  - (iv) Shared power to dispose or to direct the disposition of: 0

Item 5. Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following

Not applicable

Item 6. Ownership of More than Five Percent on Behalf of Another Person:

Not applicable

Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on By the Parent Holding Company:

Not applicable

Item 8. Identification and Classification of Members of the Group:

Not applicable

Item 9. Notice of Dissolution of Group:

Not applicable

Item Certification:

10.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated:

August 16, 2010

/s/ Susan Yang Stafford  
Name: Susan Yang Stafford