

APPLIED MATERIALS INC /DE  
 Form 3  
 December 21, 2006

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

|                                                                                                                                                                                                                                                              |                                                                                       |                                                                                            |                                                                                                                                                                                                                                                                                                                                                         |                                                             |                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Name and Address of Reporting Person *</p> <p>Ê Erad Menachem</p> <p>(Last) (First) (Middle)</p> <p>C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023</p> <p>(Street)</p> <p>SANTA CLARA, CA 95054</p> <p>(City) (State) (Zip)</p> | <p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>12/13/2006</p> | <p>3. Issuer Name and Ticker or Trading Symbol</p> <p>APPLIED MATERIALS INC /DE [AMAT]</p> | <p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br/> <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other<br/>                 (give title below) (specify below)<br/>                 Group VP, Chief of Staff</p> | <p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> | <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person<br/> <input type="checkbox"/> Form filed by More than One Reporting Person</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|
| Common Stock                       | 128,000 <sup>(1)</sup>                                   | D                                                                 | Ê                                                        |

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

SEC 1473 (7-02)

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

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|

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|                                      | Date Exercisable | Expiration Date | Title        | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |   |
|--------------------------------------|------------------|-----------------|--------------|----------------------------|----------|---------------------------------------|---|
| Employee Stock Option (right to buy) | 08/05/2005       | 02/11/2009      | Common Stock | 240,000                    | \$ 22.84 | D                                     | Â |
| Employee Stock Option (right to buy) | 07/15/2007       | 11/19/2009      | Common Stock | 35,000                     | \$ 15.07 | D                                     | Â |
| Employee Stock Option (right to buy) | 08/05/2005       | 10/29/2010      | Common Stock | 65,000                     | \$ 22.58 | D                                     | Â |
| Employee Stock Option (right to buy) | 08/05/2005       | 10/29/2010      | Common Stock | 100,000                    | \$ 22.58 | D                                     | Â |
| Employee Stock Option (right to buy) | Â (2)            | 11/03/2011      | Common Stock | 37,500                     | \$ 16.12 | D                                     | Â |
| Employee Stock Option (right to buy) | Â (3)            | 12/01/2012      | Common Stock | 60,000                     | \$ 18.64 | D                                     | Â |

## Reporting Owners

| Reporting Owner Name / Address                                                                                    | Relationships |           |                                  |       |
|-------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------------------------------|-------|
|                                                                                                                   | Director      | 10% Owner | Officer                          | Other |
| Erad Menachem<br>C/O APPLIED MATERIALS, INC.<br>P.O. BOX 58039, 3050 BOWERS AV, M/S 2023<br>SANTA CLARA, CA 95054 | Â             | Â         | Â Group<br>VP, Chief<br>of Staff | Â     |

## Signatures

/s/ Charmaine Mesina,  
Attorney-in-Fact

12/21/2006

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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 50,000 performance shares (or restricted stock units) that are scheduled to vest in four equal annual installments beginning 8/31/07 and 78,000 performance shares that are scheduled to vest in three equal annual installments beginning 8/31/07 (assuming continued employment). The performance shares will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock immediately upon vesting.
  - (2) 18,750 shares become exercisable on each of 7/15/07 and 7/15/08 (assuming continued employment).
  - (3) 15,000 shares became exercisable on 8/31/06 and 15,000 shares become exercisable on each of 8/31/07, 8/31/08 and 8/31/09 (assuming continued employment).

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.