

INITIAL STATEMENT OF 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

OMB APPROVAL	
OMB Number:	3235-0104
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1. Name and Address of Reporting Person* <u>ALIABADI MANOOCHER M</u>	2. Date of Event Requiring Statement (Month/Day/Year) <u>10/11/2007</u>	3. Issuer Name and Ticker or Trading Symbol <u>OSI SYSTEMS INC [OSIS]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <div>Director10% Owner</div> <div><input checked="" type="checkbox"/> Officer (give title below)Other (specify below)</div> <div><u>President/GM OSI Optoelectroni</u></div>	
		5. If Amendment, Date of Original Filed (Month/Day/Year)	
		6. Individual or Joint/Group Filing (Check Applicable Line) <div><input checked="" type="checkbox"/> Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div>	
(Last)(First)(Middle) <u>12525 CHADRON AVE</u>			
(Street) <u>HAWTHORNE CA</u> <u>90250</u>			
(City)(State)(Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>29,012</u>	<u>I</u>	<u>See Footnote 1⁽¹⁾</u>

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<u>Option to Purchase Common Stock</u>	<u>01/08/2007</u>	<u>01/07/2008</u>	<u>Common Stock</u>	<u>2,250⁽²⁾</u>	<u>16.31</u>	<u>D</u>	
<u>Option to Purchase Common Stock</u>	<u>08/14/2007</u>	<u>08/13/2008</u>	<u>Common Stock</u>	<u>1,500⁽²⁾</u>	<u>16.1</u>	<u>D</u>	
<u>Option to Purchase Common Stock</u>	<u>03/02/2007</u>	<u>03/01/2009</u>	<u>Common Stock</u>	<u>1,500⁽²⁾</u>	<u>19.88</u>	<u>D</u>	
<u>Option to Purchase Common Stock</u>	<u>03/10/2008</u>	<u>03/09/2010</u>	<u>Common Stock</u>	<u>2,500⁽³⁾</u>	<u>17.19</u>	<u>D</u>	
<u>Option to Purchase Common Stock</u>	<u>01/11/2009</u>	<u>01/10/2011</u>	<u>Common Stock</u>	<u>2,500⁽⁴⁾</u>	<u>19.58</u>	<u>D</u>	

Explanation of Responses:

- 1. Shares are held with spouse.
- 2. Options are fully vested.
- 3. Options are 50% vested.
- 4. Options are 25% vested.

/s/ Manoocher Mansouri
Aliabadi
** Signature of Reporting Person

10/11/2007
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 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).

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 Number.