	UNITED STATES	
SECURITIES	AND EXCHANGE COM	MMISSION
	Washington, D.C. 20549	
	FORM 8-K	
	CURRENT REPORT	
Pursuant to Section	13 or 15(d) of The Securities Exchan	ge Act of 1934
Date	of Report (Date of earliest event reported):	
	December 20, 2004	
	OSI Systems, Inc.	
(Ex:	act name of registrant as specified in its charter)	
California other jurisdiction of	No. 000-23125 (Commission File Number)	330238801 (I.R.S. Employer
tion on organization)		Identification No.)

(State or

incorporation or organization)

Identification No.)

12525 Chadron Avenue, Hawthorne, California 90250

(Address of Principal Executive Offices) (Zip Code)

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(310) 978-0516

(Registrant s telephone number, including area code)

Not Applicable

(Former name or address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Section 3 Securities and Trading Markets

Item 3.03 Material Modification to Rights of Security Holders.

On December 20, 2004, the Board of Directors of OSI Systems, Inc. (the Company) approved an amendment to the Rights Agreement, dated as of July 31, 2000, by and between the Company and U.S. Stock Transfer Corporation, as Rights Agent (the Rights Agreement). The terms of the amendment are set forth in the attached First Amendment to the Rights Agreement, dated as of December 21, 2004 (the Amendment). The Amendment reduces the maximum amount of shares that a person or group can acquire before the Rights Agreement is triggered. The Amendment provides that a distribution under the Rights Agreement will occur, with certain exceptions, only if a person or group becomes the beneficial owner of more than 10% of the Company s common stock. In determining the 10% ownership under the Rights Agreement, shareholders who report or are permitted to report such ownership on Schedule 13G under the Securities Exchange Act of 1934, as amended, will be excluded.

A copy of the Amendment is attached hereto as Exhibit 4.1 and is incorporated herein by reference.

Section 9 Financial Statements and Exhibits

Item 9.01 Financial Statements and Exhibits.

- (c) Exhibits
 - 4.1 First Amendment to Rights Agreement, dated as of December 21, 2004, by and between OSI Systems, Inc. and U.S. Stock Transfer Corporation, as Rights Agent.

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SIGNATURES

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

OSI SYSTEMS, INC.

Date: December 23, 2004 By: /s/ Victor Sze

Victor Sze

Executive Vice President and General Counsel

EXHIBIT INDEX

Exhibit						
Number	Description					
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