ILLUMINA INC Form SC 13G/A February 09, 2007

	OMB APPROVAL	
	OMB Number: 3235-0145 Expires: February 28, 2009 Estimated average burden hours per response10.4	
UNITED STATE SECURITIES AND EXCHAIN Washington, D.C.	NGE COMMISSION	
SCHEDULE :	13G	
Under the Securities Ex	change Act of 1934	
(Amendment No	0. 1)*	
Illumina,	Inc.	
(Name of Is:		
Common Stock, \$0.0	01 par value	
(Title of Class of	Securities)	
4523271		
(CUSIP Num	 ber)	
December 31,	, 2006	
(Date of Event Which Requires I	Filing of this Statement)	
Check the appropriate box to designate the is filed:	rule pursuant to which this Schedule	
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page shall be initial filing on this form with respect to for any subsequent amendment containing disclosures provided in a prior cover page.	the subject class of securities, and information which would alter the	

The information required in 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).

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 control number.

number.			
SEC 1745 (03-06)		Page 1 of 6 pages	
CUSIP No. 45232710	 19 	13G	
	icat	Person ion No. of above Person Asset Management, L.P.	
2. Check the Appr	copri	ate Box if a Member of a Group	(a) [_] (b) [_]
3. SEC Use Only			
4. Citizenship or Delaware	Pla	ce of Organization	
Number of Shares	5.	Sole Voting Power 3,253,964	
Beneficially Owned by	6.	Shared Voting Power	
Each Reporting	7.	Sole Dispositive Power 3,636,245	
Person With:	8.	Shared Dispositive Power	

9. Aggregate Amount Beneficially Owned by Each Reporting Person 3,636,245 \_\_\_\_\_ 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares [\_] \_\_\_\_\_\_ 11. Percent of Class Represented by Amount in Row (9) 7.8% \_\_\_\_\_ 12. Type of Reporting Person ΙA Page 2 of 6 pages Ownership. \* Item 4. Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s). (b). Percent of Class: See the response(s) to Item 11 on the attached cover page(s). Number of shares as to which such person has: (c). (i). Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s). (ii). Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s). (iii). Sole power to dispose or to direct the disposition of: See the response(s) to Item 7 on the attached cover page(s). Shared power to dispose or to direct the disposition (iv). of: See the response(s) to Item 8 on the attached cover page(s).

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

<sup>\*</sup> In accordance with Securities and Exchange Commission ("SEC") Release No.

34-39538 (January 12, 1998), this filing reflects the securities beneficially owned by Goldman Sachs Asset Management, L.P. ("GSAM LP"). GSAM LP, an investment advisor, disclaims beneficial ownership of any securities managed, on GSAM LP's behalf, by third parties.

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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.

Date: February 1, 2007

GOLDMAN SACHS ASSET MANAGEMENT, L.P.

By: /s/ Lauren LoFaro

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Name: Lauren LoFaro Title: Attorney-in-fact

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INDEX TO EXHIBITS

Exhibit No. Exhibit

99.1 Power of Attorney, dated December 19, 2006, relating to Goldman Sachs Asset Management, L.P.

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Exhibit (99.1)

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that GOLDMAN SACHS ASSET MANAGEMENT, L.P. (the "Company") does hereby make, constitute and appoint each of Ronald L.

Christopher and Lauren LoFaro, (and any other employee of The Goldman Sachs Group, Inc. or one of its affiliates designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf whether the Company is acting individually or as representative of others, any and all filings required to be made by the Company under the Securities Exchange Act of 1934, (as amended, the "Act"), with respect to securities which may be deemed to be beneficially owned by the Company under the Act, giving and granting unto each said attorney-in-fact power and authority to act in the premises as fully and to all intents and purposes as the Company might or could do if personally present by one of its authorized signatories, hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the undersigned or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Goldman Sachs Group, Inc. or one of its affiliates.

IN WITNESS  $\,$  WHEREOF,  $\,$  the undersigned has duly subscribed these presents as of December 19, 2006.

GOLDMAN SACHS ASSET MANAGEMENT, L.P.

By:/s/ Ellen R. Porges

\_\_\_\_\_

Name: Ellen R. Porges Title: Managing Director

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