FIRST SOLAR, INC. Form SC 13G/A February 13, 2013

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No.1) *
FIRST SOLAR, INC.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
336433107
(CUSIP Number)
December 31, 2012
(Date Of Event which Requires Filing of this Statement

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

- [x] 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 the disclosures provided in a prior cover page.

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.

SEC 1745 (3-06)

CUSIP	No. 336433	107	13G	Page 2 of 8 Pages	
1.	NAME OF R	-	ERSON: ON NO. OF ABOVE PERSON:		
	Morgan St I.R.S. #3	-			
2.	CHECK THE	APPROPRIA	TE BOX IF A MEMBER OF A GROU	JP:	
	(a) []				
	(b) []				
3.	SEC USE O	NLY:			
4.			E OF ORGANIZATION: zation is Delaware.		
	BER OF		 E VOTING POWER:		
S	HARES FICIALLY		44,483		
OW	NED BY EACH	6. SHA 0	RED VOTING POWER:		
P	ORTING ERSON WITH:		E DISPOSITIVE POWER: 56,834		
		8. SHA 0	RED DISPOSITIVE POWER:		
9.	AGGREGATE 9,756,834	AMOUNT BE	NEFICIALLY OWNED BY EACH REP	PORTING PERSON:	
10.	CHECK BOX	IF THE AG	GREGATE AMOUNT IN ROW (9) EX	CLUDES CERTAIN SHARES:	
	[]				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9): 11.2%				
12.	TYPE OF REPORTING PERSON: HC, CO				
CUSIP	No.3364331	07	13G	Page 3 of 8 Pages	
1.	NAME OF R		ERSON: ON NO. OF ABOVE PERSON:		
		anley Inve 13-3040307	stment Management Inc.		
2.	CHECK THE	APPROPRIA	TE BOX IF A MEMBER OF A GROU	 JP:	

	(a) []						
	(b) []						
3.	3. SEC USE ONLY:						
4.	CITIZENSH	IP OR PLACE O	OF ORGANIZATION:				
	The state	of organizat	ion is Delaware.				
SH	BER OF	5. SOLE V	OTING POWER:				
OWN E	CIALLY JED BY JACH	6. SHARED 0	O VOTING POWER:				
PE	RTING RSON UITH:	7. SOLE D	DISPOSITIVE POWER:				
		8. SHARED 0	DISPOSITIVE POWE				
	AGGREGATE 9,756,834	AMOUNT BENEF	FICIALLY OWNED BY	EACH REPORTING	PERSON:		
10.	CHECK BOX	IF THE AGGRE	EGATE AMOUNT IN RO	W (9) EXCLUDES	CERTAIN SHARES	:	
	[]						
	PERCENT OF	F CLASS REPRE	ESENTED BY AMOUNT	IN ROW (9):			
	TYPE OF RE	EPORTING PERS	30N:				
CUSIP N	io.3364331()7 	13G		Page 4 of 8 :	Pages	
Item 1.	(a)	Name of Iss	suer:				
		FIRST SOLAF	R, INC.				
	(b)	Address of	Issuer's Principa	l Executive Off	ices:		
		SUITE 600 TEMPE AZ 85	ASHINGTON STREET				
Item 2.	(a)	Name of Per	rson Filing:				
		(1) Morgan (2) Morgan	Stanley Investmen	ıt Management In	С.		
	(b)	Address of	Principal Busines	s Office, or if	None, Residen	 ce:	
		(1) 1585 Br	roadway				

		New York, NY 10036 (2) 522 Fifth Avenue New York, NY 10036
	(c)	Citizenship:
		(1) The state of organization is Delaware. (2) The state of organization is Delaware.
	(d)	Title of Class of Securities:
	(Common Stock
	(e) (CUSIP Number:
	; -	336433107
Item 3.		s statement is filed pursuant to Sections 240.13d-1(b) or d-2(b) or (c), check whether the person filing is a:
	(a) []] Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o).
	(b) []	Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
	(c) []	Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).
	(d) []	Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
	(e) [x]	An investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E); Morgan Stanley Investment Management Inc.
	(f) []	An employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F);
	(g) [x]	A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G); Morgan Stanley
	(h) [A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
	(i) []	A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
	(j) [ː] Group, in accordance with Section 13d-1(b)(1)(ii)(J).

Item 4. Ownership as of December 31, 2012.*

(a) Amount beneficially owned:
See the response(s) to Item 9 on the attached cover page(s).

CUSIP No.336433107 13-G Page 5 of 8 Pages

- (b) Percent of Class:
 See the response(s) to Item 11 on the attached cover page(s).
- (c) Number of shares as to which such person has:
 - (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).
 - (iv) Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- Item 5. Ownership of Five Percent or Less of a Class.

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.

See Exhibit 99.2

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

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

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.

* In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

CUSIP No.336433107

13-G

Page 6 of 8 Pages

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 13, 2013

Signature: /s/ Perren Wong

Name/Title: Perren Wong/Authorized Signatory, Morgan Stanley

MORGAN STANLEY

Date: February 13, 2013

Signature: /s/ Mary Ann Picciotto

Name/Title: Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley

Investment Management Inc.

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

EXHIBIT NO.	EXHIBITS	PAGE
99.1	Joint Filing Agreement	7
99.2	Item 7 Information	8

 $[\]star$ Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

CUSIP No.336433107 13-G Page 7 of 8 Pages

EXHIBIT NO. 99.1 TO SCHEDULE 13G

JOINT FILING AGREEMENT

February 13, 2013

MORGAN STANLEY and MORGAN STANLEY INVESTMENT MANAGEMENT INC.,

hereby agree that, unless differentiated, this

Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Perren Wong

Perren Wong/Authorized Signatory, Morgan Stanley

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

BY: /s/ Mary Ann Picciotto

Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley Investment Management Inc.

 * Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

CUSIP No.336433107

13-G

Page 8 of 8 Pages

EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by Morgan Stanley Investment Management Inc., an investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E) as amended. Morgan Stanley Investment Management Inc. is a wholly-owned subsidiary of Morgan Stanley.