COGNEX CORP Form SC 13G/A February 15, 2005

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2

Under the Securities Exchange Act of 1934 (Amendment No. 2)

COGNEX CORP

(Name of Issuer)

Common Stock

(Title of Class of Securities)

192422103

(CUSIP Number)

December 31, 2004

(Date Of Event which Requires Filing of this Statement)

Check the following box if a fee is being paid with this statement [].

*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).

CUSIP No. 192422103

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1.	NAME OF REPORTING PERSON(S) S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON(S)
	Morgan Stanley IRS # 39-314-5972

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

			(b) []
3. SEC	USE ON		
4. CIT	IZENSHI	P OR PLACE OF ORGANIZATION	
The	state	of organization is Delaware.	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		5. SOLE VOTING POWER 1,508,582	
		6. SHARED VOTING POWER	
		<pre>7. SOLE DISPOSITIVE POWER 1,508,582</pre>	
		8. SHARED DISPOSITIVE POWER	
	 REGATE 30,552	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING	
10. CHE	СК ВОХ	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES	CERTAIN SHARES*
11. PER 3.3		CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	e of re co, hc	PORTING PERSON*	
		*SEE INSTRUCTIONS BEFORE FILLING OUT!	
CUSIP No.	192422	103 13G P	age 3 of 6 Pages
Item 1.	(a)	Name of Issuer: COGNEX CORP	
	(b)	Address of Issuer's Principal Executive Of ONE VISION DR NATICK, MA 01760	
Item 2.	(a)	Name of Person Filing: Morgan Stanley	
	(b)	Address of Principal Business Office, or i 1585 Broadway New York, New York 10036	
	(c)	Citizenship:	
		Incorporated by reference to Item 4 of the pertaining to each reporting person.	cover page

	(d)	Title of Common S	f Class of Securitie Stock	es:
	(e)	CUSIP Nu 1924221(umber:	
Item 3.		Morgan S	Stanley is a parent	holding company.
CUSIP No.	192422	2103	13-G	Page 4 of 6 Pages
Item 4.	Owner	ship.		
		porated b page.	by reference to Iter	ms (5) - (9) and (11) of the
	C	company of		ely in its capacity as the parent eficial owner of securities held s.
Item 5.	Owner	ship of H	Five Percent or Less	s of a Class.
	benef			anley has ceased to be the ve percent of the class of
	See i	.tem 4 (a))	
Item 6.	Owner	ship of N	More Than Five Perce	ent on Behalf of Another Person.
	Inapp	licable		
Item 7.				n of the Subsidiary which Acquired y the Parent Holding Company.
Item 8.	Ident	ificatior	n and Classification	n of Members of the Group.
Item 9.	Notic	e of Diss	solution of Group.	
Item 10.	Certi	fication		
	belie ordin of an contr conne	ef, the se hary cours ad do not col of the ection wit	ecurities referred t se of business and v have the effect of e issuer of such sec	to the best of my knowledge and to above were acquired in the were not acquired for the purpose changing or influencing the curities and were not acquired in ant in any transaction having

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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 15, 2005

Signature: /s/ Dennine Bullard

Name/Title Dennine Bullard /Executive Director, Morgan Stanley & Co. Inc. MORGAN STANLEY

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- EXHIBIT 1 Secretary's Certificate Authorizing Dennine Bullard 6 to Sign on behalf of Morgan Stanley
- * Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EX-99.b SECRETARY'S CERTIFICATE

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EXHIBIT 1

MORGAN STANLEY

SECRETARY'S CERTIFICATE

I, Charlene R. Herzer, a duly elected and acting Assistant Secretary of Morgan Stanley, a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), certify as follows:

- Donald G. Kempf, Jr. is the duly elected Executive Vice President, Chief Legal Officer and Secretary of the Corporation;
- (2) Pursuant to Section 7.01 of the Bylaws of the Corporation and resolutions approved by the Board of Directors of the Corporation on September 25,1998, the Chief Legal Officer is authorized to enter into agreements and other instruments on behalf of the Corporation and may delegate such powers to others under his jurisdiction; and
- (3) Donald G. Kempf signed a Delegation of Authority as of February 23, 2000, which authorized Dennine Bullard to sign reports to be filed under Section 13 and 16 of the

Securities Exchange Act of 1934 on behalf of the Corporation. Such authorization is in full force and efect as of this date.

IN WITNESS WHEREOF, I have hereunto set my name and affixed the seal of the Corporation as of the 3rd day of February, 2005.

Charlene R. Herzer Assistant Secretary