

Rollings Michael Thomas  
 Form 5  
 February 13, 2007

**FORM 5**

OMB APPROVAL

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

OMB Number: 3235-0362  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person \*  
 Rollings Michael Thomas

2. Issuer Name and Ticker or Trading Symbol  
 MASSMUTUAL CORPORATE INVESTORS [MCI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2006

\_\_\_ Director \_\_\_ 10% Owner  
 \_\_\_ Officer (give title below)  Other (specify below)  
 Investment Adviser Director

MASSACHUSETTS MUTUAL LIFE INSURANCE CO, 1295 STATE STREET

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Reporting

(check applicable line)

SPRINGFIELD, MA 01111

Form Filed by One Reporting Person  
 \_\_\_ Form Filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D) Price			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
MassMutual Non-Qualified Thrift Plan	\$ 0	01/13/2006	Â	A	339.21	Â	Â (1)(2)	Â (1)(2)	Capital Stock	339.21
MassMutual Non-Qualified Thrift Plan	\$ 0	03/16/2006	Â	A	9.52	Â	Â (1)	Â (1)	Capital Stock	9.52
MassMutual Non-Qualified Thrift Plan	\$ 0	03/30/2006	Â	A	9.22	Â	Â (1)	Â (1)	Capital Stock	9.22
MassMutual Non-Qualified Thrift Plan	\$ 0	04/13/2006	Â	A	9.4	Â	Â (1)	Â (1)	Capital Stock	9.4
MassMutual Non-Qualified Thrift Plan	\$ 0	04/27/2006	Â	A	9.86	Â	Â (1)	Â (1)	Capital Stock	9.86
MassMutual Non-Qualified Thrift Plan	\$ 0	05/11/2006	Â	A	10.13	Â	Â (1)	Â (1)	Capital Stock	10.13
MassMutual Non-Qualified Thrift Plan	\$ 0	05/15/2006	Â	A	177.94	Â	Â (1)(2)	Â (1)(2)	Capital Stock	177.94
MassMutual Non-Qualified Thrift Plan	\$ 0	05/15/2006	Â	A	0.56	Â	Â (1)(2)	Â (1)(2)	Capital Stock	0.56
MassMutual Non-Qualified Thrift Plan	\$ 0	05/25/2006	Â	A	9.98	Â	Â (1)	Â (1)	Capital Stock	9.98
MassMutual Non-Qualified Thrift Plan	\$ 0	06/08/2006	Â	A	10.03	Â	Â (1)	Â (1)	Capital Stock	10.03
MassMutual Non-Qualified Thrift Plan	\$ 0	06/22/2006	Â	A	14.88	Â	Â (1)	Â (1)	Capital Stock	14.88
MassMutual	\$ 0	07/06/2006	Â	A	31.82	Â	Â (1)	Â (1)	Capital	31.82

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Non-Qualified Thrift Plan									Stock	
MassMutual Non-Qualified Thrift Plan	\$ 0	07/20/2006	Â	A	14.02	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	14.02
MassMutual Non-Qualified Thrift Plan	\$ 0	08/03/2006	Â	A	14.23	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	14.23
MassMutual Non-Qualified Thrift Plan	\$ 0	08/14/2006	Â	A	181.1	Â	Â <u>(1)(2)</u>	Â <u>(1)(2)</u>	Capital Stock	181.1
MassMutual Non-Qualified Thrift Plan	\$ 0	08/14/2006	Â	A	1.9	Â	Â <u>(1)(2)</u>	Â <u>(1)(2)</u>	Capital Stock	1.9
MassMutual Non-Qualified Thrift Plan	\$ 0	08/17/2006	Â	A	13.24	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	13.24
MassMutual Non-Qualified Thrift Plan	\$ 0	08/31/2006	Â	A	13.32	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	13.32
MassMutual Non-Qualified Thrift Plan	\$ 0	09/14/2006	Â	A	13.18	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	13.18
MassMutual Non-Qualified Thrift Plan	\$ 0	09/28/2006	Â	A	13.27	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	13.27
MassMutual Non-Qualified Thrift Plan	\$ 0	10/12/2006	Â	A	13.03	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	13.03
MassMutual Non-Qualified Thrift Plan	\$ 0	10/26/2006	Â	A	12.86	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	12.86
MassMutual Non-Qualified Thrift Plan	\$ 0	11/09/2006	Â	A	12.75	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	12.75
MassMutual Non-Qualified Thrift Plan	\$ 0	11/14/2006	Â	A	173.56	Â	Â <u>(1)(2)</u>	Â <u>(1)(2)</u>	Capital Stock	173.56
MassMutual Non-Qualified Thrift Plan	\$ 0	11/14/2006	Â	A	3.12	Â	Â <u>(1)(2)</u>	Â <u>(1)(2)</u>	Capital Stock	3.12
MassMutual Non-Qualified Thrift Plan	\$ 0	11/22/2006	Â	A	12.57	Â	Â <u>(1)</u>	Â <u>(1)</u>	Capital Stock	12.57

MassMutual Non-Qualified Thrift Plan	\$ 0	12/07/2006	Â	A	12.33	Â	Â (1)	Â (1)	Capital Stock	12.33
MassMutual Non-Qualified Thrift Plan	\$ 0	12/21/2006	Â	A	12.69	Â	Â (1)	Â (1)	Capital Stock	12.69

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rollings Michael Thomas MASSACHUSETTS MUTUAL LIFE INSURANCE CO 1295 STATE STREET SPRINGFIELD, MA 01111	Â	Â	Â	Investment Adviser Director

## Signatures

By: Mark Godin as  
Attorney-in-fact for

02/13/2007

Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) Exercisable only upon termination or retirement, however, holdings may be liquidated and invested into other investment options at each month. The derivative has no actual securities underlying the agreement, which is entirely notional.
- (2) Amount of securities beneficially owned includes shares issued pursuant to a dividend reinvestment plan.

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