

Rollings Michael Thomas  
 Form 5  
 February 13, 2007

# FORM 5

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

OMB APPROVAL

OMB Number: 3235-0362  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 1.0

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 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

(Last) (First) (Middle)

MASSACHUSETTS MUTUAL  
 LIFE INSURANCE CO, 1295  
 STATE STREET

(Street)

SPRINGFIELD, MA 01111

(City) (State) (Zip)

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

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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Reporting

(check applicable line)

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

**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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SEC 2270 (9-02)

**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 Non-Qualified Thrift Plan       | \$ 0   | 07/06/2006                           | Â  | A                              | 31.82  | Â   | Â (1)  | Â (1)           | Capital Stock   | 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<br>Non-Qualified<br>Thrift Plan | \$ 0 | 12/07/2006 | Â | A | 12.33 | Â | Â (1) | Â (1) | Capital<br>Stock | 12.33 |
| MassMutual<br>Non-Qualified<br>Thrift Plan | \$ 0 | 12/21/2006 | Â | A | 12.69 | Â | Â (1) | Â (1) | Capital<br>Stock | 12.69 |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |                             |
|---|---------------|-----------|---------|-----------------------------|
|   | Director      | 10% Owner | Officer | Other                       |
| Rollings Michael Thomas<br>MASSACHUSETTS MUTUAL LIFE INSURANCE CO<br>1295 STATE STREET<br>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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