

Rollings Michael Thomas  
Form 5  
February 13, 2007

**FORM 5**

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

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

## OMB APPROVAL

OMB  
Number: 3235-0362  
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2005  
Estimated average  
burden hours per  
response... 1.0

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

(Last) (First) (Middle)

MASSACHUSETTS MUTUAL  
LIFE INSURANCE CO,Â 1295  
STATE STREET

(Street)

SPRINGFIELD,Â MAÂ 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 \_\_\_\_X\_\_\_\_ Other (specify  
below) below)  
Investment Adviser Director

6. Individual or Joint/Group Reporting

(check applicable line)

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

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

**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 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<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4.<br>Transaction<br>Code<br>(Instr. 8) | 5. Number of<br>Derivative<br>Securities<br>Acquired (A)<br>or Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) |     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount<br>of Underlying<br>Securities<br>(Instr. 3 and 4) |                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------|--------------------|------------------------------------------------------------------------|-------------------------------------|
|                                                     |                                                                       |                                         |                                                             |                                         | (A)                                                                                                          | (D) | Date<br>Exercisable                                            | Expiration<br>Date | Title                                                                  | Amount<br>or<br>Number<br>of Shares |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 01/13/2006                              | Â                                                           | A                                       | 339.21                                                                                                       | Â   | Â <u>(1)(2)</u>                                                | Â <u>(1)(2)</u>    | Capital<br>Stock                                                       | 339.2                               |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 03/16/2006                              | Â                                                           | A                                       | 9.52                                                                                                         | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 9.52                                |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 03/30/2006                              | Â                                                           | A                                       | 9.22                                                                                                         | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 9.22                                |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 04/13/2006                              | Â                                                           | A                                       | 9.4                                                                                                          | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 9.4                                 |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 04/27/2006                              | Â                                                           | A                                       | 9.86                                                                                                         | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 9.86                                |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 05/11/2006                              | Â                                                           | A                                       | 10.13                                                                                                        | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 10.13                               |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 05/15/2006                              | Â                                                           | A                                       | 177.94                                                                                                       | Â   | Â <u>(1)(2)</u>                                                | Â <u>(1)(2)</u>    | Capital<br>Stock                                                       | 177.9                               |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 05/15/2006                              | Â                                                           | A                                       | 0.56                                                                                                         | Â   | Â <u>(1)(2)</u>                                                | Â <u>(1)(2)</u>    | Capital<br>Stock                                                       | 0.56                                |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 05/25/2006                              | Â                                                           | A                                       | 9.98                                                                                                         | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 9.98                                |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 06/08/2006                              | Â                                                           | A                                       | 10.03                                                                                                        | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 10.03                               |
| MassMutual<br>Non-Qualified<br>Thrift Plan          | \$ 0                                                                  | 06/22/2006                              | Â                                                           | A                                       | 14.88                                                                                                        | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | Capital<br>Stock                                                       | 14.88                               |
| MassMutual                                          | \$ 0                                                                  | 07/06/2006                              | Â                                                           | A                                       | 31.82                                                                                                        | Â   | Â <u>(1)</u>                                                   | Â <u>(1)</u>       | 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  |

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|                                            |      |            |   |   |       |   |       |       |                  |       |
|--------------------------------------------|------|------------|---|---|-------|---|-------|-------|------------------|-------|
| 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.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.