

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 27, 2009

PAGE 1
000 B000000 12/31/2008
000 C000000 0000275694
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
000 J000000 A
001 A000000 MASSMUTUAL CORPORATE INVESTORS
001 B000000 811-2183
001 C000000 4132261516
002 A000000 1500 MAIN STREET, P.O. BOX 15189
002 B000000 SPRINGFIELD
002 C000000 MA
002 D010000 01115
002 D020000 5189
003 000000 N
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
007 C010200 2
007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 BABSON CAPITAL MANAGEMENT LLC
008 B000001 A
008 C000001 801-241
008 D010001 SPRINGFIELD
008 D020001 MA
008 D030001 01115
008 D040001 5189
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
012 C010001 CENTENNIAL
012 C020001 CO
012 C030001 80112
013 A000001 KPMG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02110
013 B040001 2371
014 A000001 BABSON CAPITAL SECURITIES INC
PAGE 2
014 B000001 8-47589
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10043

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015 E010001 X
018 000000 Y
019 A000000 Y
019 B000000 2
019 C000000 CIPINVEST
020 A000001 ALLEN & CO.
020 B000001 13-4132953
020 C000001 6
020 A000002 CITIGROUP
020 B000002 13-3214963
020 C000002 1
020 A000003 WEEDEN & CO.
020 C000003 1
020 A000004 BARCLAYS CAPITAL INC.
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020 A000005 MERRILL, LYNCH, PIERCE, FENNER & SMITH, INC.
020 B000005 13-5674085
020 C000005 0
020 A000006 NUTMEG SECURITIES
020 C000006 0
020 A000007 LIQUID FUNDING LTD.
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020 A000008 CANTOR, FITZGERALD & CO.
020 B000008 13-3680184
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020 C000009 0
020 C000010 0
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022 A000001 JP MORGAN CHASE
022 B000001 13-4994650
022 C000001 178518
022 D000001 6856
022 A000002 GOLDMAN, SACHS & CO.
022 B000002 13-5108880
022 C000002 178226
022 D000002 397
022 A000003 FIRST BOSTON CORP
022 B000003 13-5659485
022 C000003 140032
022 D000003 2988
022 A000004 MERRILL, LYNCH, PIERCE, FENNER & SMITH, INC.
022 B000004 13-5674085
022 C000004 88147
022 D000004 1609
022 A000005 CITIGROUP
PAGE 3
022 B000005 13-3214963
022 C000005 85680
022 D000005 0
022 A000006 LEHMAN BROTHERS, INC.
022 B000006 13-2518466
022 C000006 42191
022 D000006 4147
022 A000007 DEUTSCHE BANK CAPITAL CORP.
022 B000007 13-2730828
022 C000007 44017
022 D000007 2270
022 A000008 WACHOVIA SECUTITIES LLC
022 B000008 34-1542819
022 C000008 16817
022 D000008 0
022 A000009 MRGAN, STANLEY AND CO.

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| | | | |
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| 022 | B000009 | 34-1542819 | |
| 022 | C000009 | 6230 | |
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| 054 | F000000 | N |
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| 054 | J000000 | Y |
| 054 | K000000 | N |
| 054 | L000000 | N |
| 054 | M000000 | Y |
| 054 | N000000 | N |
| 054 | O000000 | Y |

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| | | | |
|-----|---------|---|------|
| 055 | A000000 | N | |
| 055 | B000000 | N | |
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| 062 | K000000 | | 0.0 |
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| 063 | A000000 | | 0 |
| 063 | B000000 | | 5.3 |
| 064 | A000000 | Y | |
| 064 | B000000 | Y | |
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| 066 | D000000 | N | |
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| 069 | 000000 | N | |
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| 070 | B010000 | Y | |
| 070 | B020000 | Y | |
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| 070 | C020000 | N | |
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| 070 | D020000 | N | |
| 070 | E010000 | N | |
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| 070 | F020000 | N | |
| 070 | G010000 | N | |
| 070 | G020000 | N | |
| 070 | H010000 | N | |
| 070 | H020000 | N | |
| 070 | I010000 | N | |
| 070 | I020000 | N | |

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| | | | |
|-------|---------|----|--------|
| 070 | J010000 | Y | |
| 070 | J020000 | Y | |
| 070 | K010000 | N | |
| 070 | K020000 | N | |
| 070 | L010000 | Y | |
| | PAGE | 7 | |
| 070 | L020000 | Y | |
| 070 | M010000 | N | |
| 070 | M020000 | N | |
| 070 | N010000 | N | |
| 070 | N020000 | N | |
| 070 | O010000 | Y | |
| 070 | O020000 | Y | |
| 070 | P010000 | N | |
| 070 | P020000 | N | |
| 070 | Q010000 | N | |
| 070 | Q020000 | N | |
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| 070 | R020000 | N | |
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| 071 | B000000 | | 80330 |
| 071 | C000000 | | 250780 |
| 071 | D000000 | | 32 |
| 072 | A000000 | 12 | |
| 072 | B000000 | | 25241 |
| 072 | C000000 | | 1294 |
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| 072 | Z000000 | | 21472 |
| 072AA | 000000 | | 1442 |
| 072BB | 000000 | | 3901 |
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| 072CC | 020000 | | 44140 |
| 072DD | 010000 | | 20079 |
| 072DD | 020000 | | 0 |
| 072EE | 000000 | | 0 |
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| | PAGE | 8 | |
| 073 | A020000 | | 0.0000 |
| 073 | B000000 | | 0.0000 |
| 073 | C000000 | | 0.0000 |
| 074 | A000000 | | 2637 |

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|-----|---------|---------------------------------------|
| 074 | B000000 | 0 |
| 074 | C000000 | 6233 |
| 074 | D000000 | 193284 |
| 074 | E000000 | 7269 |
| 074 | F000000 | 23072 |
| 074 | G000000 | 0 |
| 074 | H000000 | 0 |
| 074 | I000000 | 7933 |
| 074 | J000000 | 185 |
| 074 | K000000 | 0 |
| 074 | L000000 | 3448 |
| 074 | M000000 | 250 |
| 074 | N000000 | 244311 |
| 074 | O000000 | 4 |
| 074 | P000000 | 650 |
| 074 | Q000000 | 30000 |
| 074 | R010000 | 0 |
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| 074 | R030000 | 0 |
| 074 | R040000 | 5513 |
| 074 | S000000 | 0 |
| 074 | T000000 | 208144 |
| 074 | U010000 | 9319509 |
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| 074 | V010000 | 22.33 |
| 074 | V020000 | 0.00 |
| 074 | W000000 | 0.0000 |
| 074 | X000000 | 9100 |
| 074 | Y000000 | 0 |
| 075 | A000000 | 0 |
| 075 | B000000 | 238245 |
| 076 | 000000 | 19.25 |
| 077 | A000000 | Y |
| 077 | B000000 | Y |
| 077 | C000000 | N |
| 077 | D000000 | N |
| 077 | E000000 | N |
| 077 | F000000 | N |
| 077 | G000000 | N |
| 077 | H000000 | N |
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| 077 | K000000 | N |
| 077 | L000000 | N |
| 077 | M000000 | N |
| 077 | N000000 | N |
| 077 | O000000 | Y |
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| 077 | P000000 | N |
| 077 | Q010000 | N |
| 077 | Q020000 | N |
| 077 | Q030000 | Y |
| 078 | 000000 | N |
| 080 | A000000 | NATIONAL UNION FIRE INSURANCE COMPANY |
| 080 | B000000 | NONE |
| 080 | C000000 | 1125 |
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| 081 | B000000 | 1 |
| 082 | A000000 | N |
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| 083 | A000000 | N |
| 083 | B000000 | 0 |

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| 084 | A000000 | N | |
| 084 | B000000 | | 0 |
| 085 | A000000 | Y | |
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| 086 | C010000 | | 0 |
| 086 | C020000 | | 0 |
| 086 | D010000 | | 0 |
| 086 | D020000 | | 0 |
| 086 | E010000 | | 0 |
| 086 | E020000 | | 0 |
| 086 | F010000 | | 0 |
| 086 | F020000 | | 0 |
| 087 | A010000 | SHARES OF BENEFICIAL INTEREST | |
| 087 | A020000 | 576292106 | |
| 087 | A030000 | MCI | |
| 088 | A000000 | Y | |
| 088 | B000000 | N | |
| 088 | C000000 | N | |
| 088 | D000000 | N | |
| SIGNATURE | | JAMES M. ROY | |
| TITLE | | V.P. AND C.F.O. | |

EXHIBIT INDEX TO FORM N-SAR
OF MASSMUTUAL CORPORATE INVESTORS
FOR ANNUAL PERIOD ENDED DECEMBER 31, 2008

| EXHIBIT NO. | DESCRIPTION |
|-------------|--|
| 77B | Accountant's Report on Internal Controls |
| 770 | Transactions Effected Pursuant to Rule 10f-3 |
| 77Q2 | Information Called for by Item 405 of Regulation S-K |