

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-A

August 31, 2009

PAGE 1
000 A000000 06/30/2009
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 CIPIINVEST
 020 A000001 ALLEN & CO.
 020 B000001 13-4132953
 020 C000001 1
 020 A000002 FIRST BOSTON CORP.
 020 B000002 13-5659485
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 020 C000003 0
 020 C000004 0
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 020 C000009 0
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 022 A000001 BA SECURITIES INC
 022 B000001 23-3069627
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 022 D000001 1371
 022 A000002 JP MORGAN CHASE
 022 B000002 13-4994650
 022 C000002 12824
 022 D000002 5391
 022 A000003 GOLDMAN, SACHS & CO
 022 B000003 13-5108880
 022 C000003 17288
 022 D000003 250
 022 A000004 BARCLAYS CAPITAL INC.
 022 C000004 11187
 022 D000004 5254
 022 A000005 CITIGROUP
 022 B000005 13-3214963
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 022 A000006 FIRST BOSTON CORP
 022 B000006 13-5659485
 022 C000006 7744
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 022 A000007 SUNTRUST CAPITAL MARKET
 022 C000007 4470
 PAGE 3
 022 D000007 0
 022 A000008 WACHOVIA SECURITIES LLC
 022 B000008 34-1542819
 022 C000008 755
 022 D000008 1846
 022 A000009 WEXLER VIDEO LLC
 022 C000009 2244
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 022 A000010 SENCORE ACQUISITION COMPANY
 022 C000010 2220
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 023 C000000 136193
 023 D000000 20876
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| | | |
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| 048 | H010000 | 0 |
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| | | |
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PAGE 6

| | | |
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| 070 | G020000 | N |
| 070 | H010000 | N |
| 070 | H020000 | N |
| 070 | I010000 | N |
| 070 | I020000 | N |
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| 070 | J020000 | Y |
| 070 | K010000 | N |
| 070 | K020000 | N |
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| 070 | L020000 | Y |
| 070 | M010000 | N |
| 070 | M020000 | N |
| 070 | N010000 | N |
| 070 | N020000 | N |
| 070 | O010000 | Y |

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| | | | |
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| 070 | P020000 | N | |
| 070 | Q010000 | N | |
| 070 | Q020000 | N | |
| | PAGE | 7 | |
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| 070 | R020000 | N | |
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| | PAGE | 8 | |
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| | | |
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| 074 | M000000 | 250 |
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| 086 | F020000 | 0 |
| 087 | A010000 | COMMON SHARES |
| 087 | A020000 | 576292106 |
| 087 | A030000 | MCI |

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088 A000000 Y

088 B000000 N

088 C000000 N

088 D000000 N

SIGNATURE JAMES M. ROY

TITLE V.P. AND C.F.O.