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MASSMUTUAL PARTICIPATION INVESTORS

Form NSAR-B

February 29, 2008

PAGE 1
000 B000000 12/31/2007
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000 F000000 Y
000 G000000 N
000 H000000 N
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013 A000001 KPMG LLP
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013 B040001 2371
PAGE 2
014 A000001 BABSON CAPITAL SECURITIES INC
014 B000001 8-47589
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY

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078 000000 N
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080 B000000 NONE
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087 A020000 576299101
087 A030000 MPV
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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 PARTICIPATION INVESTORS
FOR ANNUAL PERIOD ENDED DECEMBER 31, 2007

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