

MASSMUTUAL PARTICIPATION INVESTORS
 Form 3
 June 25, 2007

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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

(Print or Type Responses)

1. Name and Address of Reporting Person *

Â Ross Michael

(Last) (First) (Middle)

BABSON CAPITAL
 MANAGEMENT,Â 1500 MAIN
 STREET PO BOX 15189

(Street)

SPRINGFIELD,Â MAÂ 01115

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
 06/14/2007

3. Issuer Name and Ticker or Trading Symbol

MASSMUTUAL PARTICIPATION INVESTORS
 [MPV]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 ___ Officer ___X___ Other
 (give title below) (specify below)
 Officer of the Adviser

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___X___ Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)

Common Shares

2. Amount of Securities Beneficially Owned (Instr. 4)

0

3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)

D Â

4. Nature of Indirect Beneficial Ownership (Instr. 5)

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and Expiration Date (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. Conversion or Exercise Price of

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

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| | | | | | |
|---------------------|--------------------|-------|----------------------------------|------------------------|---|
| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Derivative Security | Security: Direct (D) or Indirect (I) (Instr. 5) |
|---------------------|--------------------|-------|----------------------------------|------------------------|---|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|------------------------|
| | Director | 10% Owner | Officer | Other |
| Ross Michael BABSON CAPITAL MANAGEMENT 1500 MAIN STREET PO BOX 15189 SPRINGFIELD, MA 01115 | Â | Â | Â | Officer of the Adviser |

Signatures

/s/ Ross,
Michael 06/25/2007

__Signature of Reporting Person Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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).

Note: File three copies of this Form, one of which must be manually signed. If space 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.