

MASSMUTUAL PARTICIPATION INVESTORS
 Form 3
 February 05, 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 * | | | 2. Date of Event Requiring Statement (Month/Day/Year) | 3. Issuer Name and Ticker or Trading Symbol | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| Â Hermsen Michael Peter | | | 01/26/2007 | MASSMUTUAL PARTICIPATION INVESTORS [MPV] | |
| (Last) | (First) | (Middle) | | 4. Relationship of Reporting Person(s) to Issuer | |
| BABSON CAPITAL MANAGEMENT LLC,Â 1500 MAIN ST PO BOX 15189 | | | | (Check all applicable) | |
| (Street) | | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| | | | | <input type="checkbox"/> Officer <input checked="" type="checkbox"/> Other (give title below) (specify below) Officer of Adviser | <input type="checkbox"/> Form filed by One Reporting Person |
| SPRINGFIELD,Â MAÂ 011155189 | | | | | <input type="checkbox"/> Form filed by More than One Reporting Person |
| (City) | (State) | (Zip) | | | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Shares | 845.61 | D | Â |
| Common Shares | 736.4 | I | By Immediate Family |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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.

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 | 4. Conversion | 5. Ownership | 6. Nature of Indirect Beneficial Ownership |
|--|--|--|---------------|--------------|--|
|--|--|--|---------------|--------------|--|

| Date Exercisable | Expiration Date | Title | Derivative Security (Instr. 4) Amount or Number of Shares | or Exercise Price of Derivative Security | Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | (Instr. 5) |
|------------------|-----------------|-------|--|--|---|------------|
|------------------|-----------------|-------|--|--|---|------------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|--------------------|
| | Director | 10% Owner | Officer | Other |
| Hermsen Michael Peter BABSON CAPITAL MANAGEMENT LLC 1500 MAIN ST PO BOX 15189 SPRINGFIELD, MA 011155189 | Â | Â | Â | Officer of Adviser |

Signatures

/s/ Hermsen,
Michael

02/05/2007

**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.