FSI INTERNATIONAL INC

Form 4

October 10, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * MARXE AUSTIN W & GREENHOUSE DAVID M

(Last)

(First)

2. Issuer Name and Ticker or Trading Symbol

FSI INTERNATIONAL INC [FSII]

(Month/Day/Year) 10/08/2008

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

(City)

(Middle)

(Zip)

3. Date of Earliest Transaction

Director Officer (give title below)

X__ 10% Owner Other (specify

C/O SPECIAL SITUATIONS **FUNDS. 527 MADISON AVENUE. SUITE 2600**

(Street)

(State)

4. 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

NEW YORK, NY 10022

| (City) | (State) | Tab | le I - Non- | Derivative | Secur | rities Ac | quired, Disposed | of, or Benefi | cially Owned |
|--------------------------------------|---|---|---|--|--------|------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securit on(A) or Dis (Instr. 3, 4 | sposed | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 10/08/2008 | | P | 1,800 | A | \$ 0.5 | 3,552,053 | I | By Limited Partnerships |
| Common Stock | 10/09/2008 | | P | 10,000 (1) | A | \$ 0.48 | 3,562,053 (1) | I (1) | By Limited Partnerships (1) |

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

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SEC 1474 (9-02)

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|-------------------|------------|---------------|-----------------|--------------------------|--------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | TransactionNumber | | Expiration D | ation Date | | t of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underly | ing | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securitie | es | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | and 4) | | Own |
| | Security | | Acquired | | | | | | | | Follo |
| | • | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | Λ. | mount | | |
| | | | | | | | | | mount | | |
| | | | | | | Date | Expiration Date | or Title Number of | | | |
| | | | | | | Exercisable | | | | | |
| | | | | C + V | (A) (D) | | | | | | |
| | | | | Code V | (A) (D) | | | S | hares | | |

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NY 10022

X

Signatures

Austin W.

Marxe 10/10/2008

**Signature of Date

Reporting Person

David M.

Greenhouse 10/10/2008 **Signature of Date Reporting Person

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(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).

This is a joint filing by Austin W. Marxe (Marxe) and David M. Greenhouse (Greenhouse). They share voting and investment control over all securities owned by Special Situations Fund III QP, LP (QP) and Special Situations Cayman Fund, L.P. (Cayman), respectively. 2,717,557 shares of Common Stock are held by QP and 844,496 shares of Common Stock are held by Cayman. The interest of Marxe and Greenhouse in the shares of Common Stock owned by QP and Cayman is limited to the extent of his pecuniary interest.

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.

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