Petersen Greg Form 4 November 19, 2012

FORM 4

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
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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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person **
Petersen Greg

2. Issuer Name **and** Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

PROS Holdings, Inc. [PRO]

(Last) (First) (Middle)

3. Date of Earliest Transaction

__X__ Director ______ 10% Owner _____ Officer (give title _____ Other (specify

3100 MAIN STREET, SUITE 900

(Street)

11/15/2012

(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

X Form filed by One Reporting Person ___ Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

below)

HOUSTON, TX 77002

Security

(Instr. 3)

(City) (State) (Zip)

1.Title of 2. Transaction Date 2A. Deemed

2. Transaction Date 2A. Deemed 3. 4. Securities

(Month/Day/Year) Execution Date, if TransactionAcquired (A) or any Code Disposed of (D)

(Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned (I) Ownership Following (Instr. 4) (Instr. 4)

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

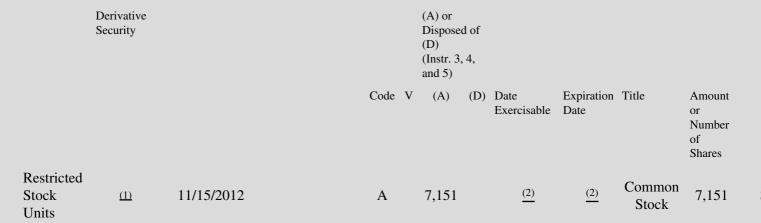
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SEC 1474 (9-02)

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

1. Title of 3. Transaction Date 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and Amount of 8. Pr 4. Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date **Underlying Securities** Deri Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) Secu (Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (Inst

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Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Petersen Greg 3100 MAIN STREET SUITE 900 HOUSTON, TX 77002 | X | | | |

Signatures

/s/ Damian Olthoff,
Attorney-in-fact 11/19/2012

**Signature of Reporting Person Date

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).
- (1) Each restricted stock unit represents the contingent right to receive one share of PROS Holdings, Inc. common stock.
- (2) The restricted stock units fully vest on January 1, 2014.
- (3) Includes 6,000 restricted stock units awarded on November 17, 2011 which fully vest on January 1, 2013.

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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