

Ding Wei  
Form 3  
January 10, 2013

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

OMB APPROVAL

OMB Number: 3235-0104  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

**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	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Ding Wei		(Month/Day/Year)	SMITH A O CORP [AOS]	
(Last)	(First)	(Middle)	01/01/2013	
A. O. SMITH (CHINA) WATER HEATER CO. LTD,Â 336 YAO XIN AVENUE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
NANJING,Â F3Â 210038		<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below) President and GM, AOSCWHC		6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <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)
------------------------------------	--	---	--

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 Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable    Expiration Date	Title    Amount or Number of			

				Shares			or Indirect (1) (Instr. 5)
Restricted Stock Units	Â (1)	Â (1)	Common Stock	1,900	\$ 0		D Â
Employee Stock Options (Right to Buy)	Â (2)	Â (2)	Common Stock	4,350	\$ 0		D Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Ding Wei A. O. SMITH (CHINA) WATER HEATER CO. LTD 336 YAO XIN AVENUE NANJING,Â F3Â 210038	Â	Â	Â President and GM, AOSCWHC	Â

## Signatures

James F. Stern, Attorney-in-Fact for  
Wei Ding 01/10/2013

\_\_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).

(1) Restricted stock units were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 600 restricted stock units were granted on 02/08/2010; 500 restricted stock units were granted on 02/07/2011; and 800 restricted stock units were granted on 02/13/2012. The restricted stock units become payable in Common Stock on the vesting date, which is three years after the grant date.

(2) Employee stock options were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 1,650 employee stock options were granted on 02/08/2010 and became exercisable in three annual installments of 1/3 of the award starting on 02/08/2011. Of the 1,650 options granted 1,100 options have been exercised and 550 options remain; 1,400 employee stock options were granted on 02/07/2011 and became exercisable in three annual installments of 1/3 of the award starting on 02/07/2012; 2,400 employee stock options were granted on 02/13/2012 and become exercisable in three annual installments of 1/3 of the award starting on 02/13/2013. All employee stock options expire ten years after the date of the award.

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.