

Helming Keith A  
Form 4  
September 11, 2012

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
*See Instruction*  
1(b).

**STATEMENT OF CHANGES IN 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

## OMB APPROVAL

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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Helming Keith A

(Last) (First) (Middle)

AERCAP  
HOUSE, STATIONSPLEIN 965

(Street)

SCHIPHOL AIRPORT, P7 1117CE

(City) (State) (Zip)

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

AerCap Holdings N.V. [AER]

3. Date of Earliest Transaction  
(Month/Day/Year)

09/06/2012

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

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_\_\_\_X\_\_\_\_ Officer (give title below) \_\_\_\_ Other (specify below)

Chief Financial Officer

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 Acquired, Disposed of, or Beneficially 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. Securities Acquired or Disposed of (D) (Instr. 3, 4 and 5)	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)
Ordinary Shares	09/06/2012		S(1) (2)	(A) or (D) D	Amount 20,959 Price \$ 12.78	167,668	D
Ordinary Shares	09/07/2012		S(1) (2)	(A) or (D) D	Amount 34,041 Price \$ 12.85	133,627	D

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

**Persons who respond to the collection of  
information contained in this form are not  
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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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Helming Keith A AERCAP HOUSE STATIONSPLEIN 965 SCHIPHOL AIRPORT, P7 1117CE	Chief Financial Officer

## Signatures

/s/ Keith  
Helming 09/11/2012

\_\_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) This form is filed voluntarily. As a foreign private issuer, AerCap Holdings N.V. ("AerCap") is exempted from Section 16 of the Exchange Act by Rule 3a12-3.

- (2) The acquisition of 188,627 ordinary shares reported by K. Helming on a Form 4 dated August 21, 2012 was made through the exercise of AerCap options received on conversion of options in an indirect parent entity issued prior to the AerCap IPO. This conversion right would have expired prior to the AerCap option termination date and the conversion constituted a taxable event to K. Helming. K. Helming sold the 55,000 ordinary shares that are the subject of this filing and the 25,000 ordinary shares reported on a Form 4 dated August 22, 2012 to generate sufficient proceeds to cover the tax liability triggered by the conversion and exercise of the options.

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.