Helming Keith A Form 4 July 09, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number: January 31, Expires:

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OMB APPROVAL

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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 * Helming Keith A

2. Issuer Name and Ticker or Trading Symbol

AerCap Holdings N.V. [AER]

5. Relationship of Reporting Person(s) to

Issuer

(Middle) (Last) (First)

3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify below) below)

(Check all applicable)

AERCAP HOUSE, STATIONSPLEIN 965

4. If Amendment, Date Original

Chief Financial Officer 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

(Month/Day/Year)

07/07/2010

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

SCHIPHOL AIRPORT, P7 1117CE

(State)

(Street)

(City) (Zip) 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year)

(Instr. 3)

3. 4. Securities Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of Securities Beneficially Owned (I) Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A) Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

Reported

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and Expiration (Month/Day/Year)

7. Title and Am Underlying Sec (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A) or

Disposed of (D) (Instr. 3, 4, and

5)

Code V (A) (D) Date Exercisable Expiration Date

Restricted Stock Unit <u>(1)</u>

07/07/2010

Α 200,000 05/31/2013(2) 05/31/2013(2)

Other

Ordinary Shares

Α N S

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Helming Keith A **AERCAP HOUSE** STATIONSPLEIN 965 SCHIPHOL AIRPORT, P7 1117CE

Chief Financial Officer

Signatures

/s/ Keith A. Helming

07/09/2010

**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).
- Each RSU will convert (i) on a 1-for-1 basis into ordinary shares of the issuer upon vesting, (ii) the cash equivalent, or (iii) a combination (1) of items (i) and (ii). The RSUs were granted pursuant to the issuer's equity incentive plan.
- 100,000 RSUs vest on this date. The remaining 100,000 RSUs vest on this date subject to performance goals.

Remarks:

This Form is filed voluntarily. As a foreign private issuer, AerCap is exempted from Section 16 of the Exchange Act by Rule 3

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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