

#### UNITED STATES SECURITIES AND EXCHANGE **COMMISSION**

Washington, D.C. 20549

#### OMB APPROVAL OMB 3235-Number: 0104 Estimated average burden hours per 0.5 response...

#### INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)									
1. Name and Address of Reporting 2. Date of Ev			ent Requiring 3. Issuer Name and Ticker or Trading Symbol					1	
Person -		ent n/Day/Year)	Aer	AerCap Holdings N.V. [AER]					
Venuto Joseph	03/13								
	Middle)	/2012	4. Re	4. Relationship of Reporting				5. If Amendment, Date Original	
AERCAP			Perso	Person(s) to Issuer				Filed(Month/Day/Year)	
HOUSE, STATIONSPLEIN 965			(Check all applicable						
(Street)		Director 10% Owner X Officer (give Other (specify				6. Individual or Joint/Group			
			title be			elow)		Filing(Chec	k Applicable Line)
SCHIPHOL				Chief To	echnic	cal Office	er		d by One Reporting Person d by More than One Reporting
AIRPORT, P7 1117CE								Person	a by More than One Reporting
(City) (State)	(Zip)	Table I - Non-Derivative Securities Beneficially Owned							
1.Title of Security			ount of Secu		3.				ect Beneficial
(Instr. 4)						Ownership Ownership			
		(Instr. 4	4)			n: Direct	(Instr	·. 5)	
					(D) (	ect (I)			
					(Inst	· /			
Ordinary Shares			2,500		Ì	D			
	line for each clas who respond to red to respond	o the collect	ion of info	rmatior	con	tained i	n this	s form are	SEC 1473 (7-02)
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)									
1. Title of Derivative Security	2. Date Exercisa			itle and Amount of		4.		5.	6. Nature of Indirect
(Instr. 4) Expiration				Securities Underlying		~		Ownership	Beneficial Ownership
	(Month/Day/Year)			Derivative Security (Instr. 4)		or Exercise Price of		Form of Derivative	(Instr. 5)
	Б	In	(IIISII. 4)	I		Derivat		Security:	
	Date Exercisable	Expiration Date	Title	Amoun Numbe Shares		or Security of		Direct (D) or Indirect (I) (Instr. 5)	
Ordinary Share Options	12/31/2011(2)	09/13/2017	Ordinary Shares	75,000	)	\$ 24.6	3	D	
Reporting Owne	rc								

### Reporting Owners

Reporting Owner Name / Address	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
Venuto Joseph							
AERCAP HOUSE			Chief Technical Officer				
STATIONSPLEIN 965			Chief Technical Officer				
SCHIPHOL AIRPORT, P7 1117CE							

# Signatures

**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) This form is filed voluntarily. As a foreign private issuer, AerCap is exempted from Section 16 of the Exchange Act by Rule 3a12-3.
- The Ordinary Share Options were granted on September 13, 2007 and vested in tranches based on time- and performance-based criteria. They were all fully vested as of December 31, 2011.

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.