

AerCap Holdings N.V.  
Form 6-K  
October 12, 2007

**SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

**FORM 6 - K**

**Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 under  
the Securities Exchange Act of 1934**

For the month of **October 2007**

Commission File Number **001-33159**

**AERCAP HOLDINGS N.V.**

(Translation of Registrant's Name into English)

**Evert van de Beekstraat 312, 1118 CX Schiphol Airport, The Netherlands, +31-20-655-9655**  
(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Act of 1934.

Yes  No

If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82 N/A

**Other Events**

On October 10, 2007, AerCap Holdings, N.V. announced that AerVenture Limited, a joint venture company owned by AerCap, LoadAir and Al Fawares, has signed agreements to lease six new Airbus A320-200 aircraft to the Russian national carrier Aeroflot for a period of ten years.

**Exhibits**

99.1 AerCap Holdings N.V. Press Release

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

AERCAP HOLDINGS N.V.

By:	/s/ Klaus Heinemann
Name:	Klaus Heinemann
Title:	Authorized Signatory

Date: October 12, 2007

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**EXHIBIT INDEX**

99.1 AerCap Holdings N.V. Press Release.

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