ASML HOLDING NV Form 6-K March 02, 2010

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SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 6-K REPORT OF A FOREIGN ISSUER PURSUANT TO RULE 13A-16 OR 15D-16 OF THE SECURITIES EXCHANGE ACT OF 1934 For March 2, 2010

ASML Holding N.V.

De Run 6501

5504 DR Veldhoven

The Netherlands

(Address of principal executive offices)

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 b

Form 40-F o

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 Exchange Act of 1934.

Yes o No b

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

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Exhibits

- 99.1 TSMC to Take Delivery of an ASML EUV Lithography System for Research and Development on Future Technology Generations, press release dated February 22, 2010
- 99.2 ASML Ships 100th TWINSCAN XT:19x0 Series Immersion System While Ramping Deliveries of New NXT Immersion Platform, press release dated February 22, 2010
- 99.3 ASML FlexRay Illuminators Successfully Enter Market as Chip Makers Seek Design Flexibility for Continued Shrink, press release dated February 22, 2010

Safe Harbor Statement under the US Private Securities Litigation Reform Act of 1995: the matters discussed in this document may include forward-looking statements, including statements made about our outlook, realization of backlog, IC unit demand, financial results, average sales price, gross margin and expenses. These forward looking statements are subject to risks and uncertainties including, but not limited to: economic conditions, product demand and semiconductor equipment industry capacity, worldwide demand and manufacturing capacity utilization for semiconductors (the principal product of our customer base), including the impact of credit market deterioration on consumer confidence and demand for our customers products, competitive products and pricing, manufacturing efficiencies, new product development and customer acceptance of new products, ability to enforce patents and protect intellectual property rights, the outcome of intellectual property litigation, availability of raw materials and critical manufacturing equipment, trade environment, changes in exchange rates and other risks indicated in the risk factors included in ASML s Annual Report on Form 20-F and other filings with the US Securities and Exchange Commission.

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SIGNATURES

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.

ASML HOLDING N.V. (Registrant)

Date: March 2, 2010 By: /s/ Peter T.F.M. Wennink

Peter T.F.M. Wennink Executive Vice President and Chief Financial Officer

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