

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 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 February, 2025 Commission File Number: 1-13546 STMicroelectronics N.V. (Name of Registrant) WTC Schiphol Airport Schiphol Boulevard 2651118 BH Schiphol Airport 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 x Form 40-F Enclosure: A press release dated February 3, 2025, announcing the results of trading in STMicroelectronics' own shares as part of the previously announced share buy-back program for the period from January 27, 2025, to January 31, 2025. PR

N° C3312 C STMicroelectronics Announces Status of Common Share Repurchase Program Disclosure of Transactions in Own Shares "Period from Jan 27, 2025 to Jan 31, 2025" AMSTERDAM "February 3, 2025 -- STMicroelectronics N.V. (the "Company" or "STMicroelectronics"), a global semiconductor leader serving customers across the spectrum of electronics applications, announces full details of its common share repurchase program (the "Program") disclosed via a press release dated June 21, 2024. The Program was approved by a shareholder resolution dated May 22, 2024 and by the supervisory board. STMicroelectronics N.V. (registered with the trade register under number 33194537) (LEI: 213800Z8NOHIKRI42W10) announces the repurchase (by a broker acting for the Company) on the regulated market of Euronext Paris, in the period between Jan 27, 2025 to Jan 31, 2025 (the "Period"), of 559,000 ordinary shares (equal to 0.06% of its issued share capital) at the weighted average purchase price per share of EUR 22.8872 and for an overall price of EUR 12,793,926.30. The purpose of these transactions under article 5(2) of Regulation (EU) 596/2014 (the Market Abuse Regulation) was to meet obligations arising from share option programmes, or other allocations of shares, to employees or to members of the administrative, management or supervisory bodies of the issuer or of an associate company. The shares may be held in treasury prior to being used for such purpose and, to the extent that they are not ultimately needed for such purpose, they may be used for any other lawful purpose under article 5(2) of the Market Abuse Regulation. Below is a summary of the repurchase transactions made in the course of the Period in relation to the ordinary shares of STMicroelectronics (ISIN: NL0000226223), in detailed form.

Transactions in Period	Dates of transaction	Number of shares purchased	Weighted average purchase price per share (EUR)	Total amount paid (EUR)	Market on which the shares were bought (MIC code)
27-Jan-25	27-Jan-25	76,000	23.9411	1,819,523.60	XPAR
28-Jan-25	28-Jan-25	110,000	24.0608	2,646,688.00	XPAR
29-Jan-25	29-Jan-25	105,000	23.8919	2,508,649.50	XPAR
30-Jan-25	30-Jan-25	128,000	21.8254	2,793,651.20	XPAR
31-Jan-25	31-Jan-25	140,000	21.6101	3,025,414.00	XPAR
Total for Period		559,000	22.8872	12,793,926.30	

Following the share buybacks detailed above, the Company holds in total 14,974,412 treasury shares, which represents approximately 1.6% of the Company's issued share capital. In accordance with Article 5(1) (b) of the Market Abuse Regulation and Article 2(3) of Commission Delegated Regulation (EU) 2016/1052, a full breakdown of the individual trades in the Program are disclosed on the ST website (<https://investors.st.com/stock-and-bond-information/share-buyback>). About STMicroelectronics At ST, we are over 50,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An integrated device manufacturer, we work with more than 200,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of cloud-connected autonomous things. We are committed to achieving our goal to become carbon neutral on scope 1 and 2 and partially scope 3 by 2027. Further information can be found at www.st.com. For further information, please contact: INVESTOR RELATIONS: Jérôme Ramel EVP Corporate Development & Integrated External Communication Tel: +41.22.929.59.20 jerome.ramel@st.com MEDIA RELATIONS: Alexis Breton Corporate External Communications Tel: +33.6.59.16.79.08 alexis.breton@st.com

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.

STMicroelectronics N.V.

Date: February 3, 2025 By: /s/ Lorenzo Grandi Name: Lorenzo Grandi Title: Chief Financial Officer President, Finance, Purchasing, ERM and Resilience