

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 or 15d-16 OF
THE SECURITIES EXCHANGE ACT OF 1934

Report on Form 6-K dated July 25, 2007

STMicroelectronics N.V.

(Name of Registrant)

39, Chemin du Champ-des-Filles
1228 Plan-les-Ouates, Geneva, Switzerland
(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 O

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):

Yes O

No X

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 X

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with

Rule 12g3-2(b): 82- _____

Enclosure: A press release dated July 24, 2007 announcing a collaboration between STMicroelectronics and IBM for the development of chip technology.



STMicroelectronics and IBM to Collaborate on Chip Technology

Geneva, Switzerland and Armonk, N.Y. - **July 24, 2007**: STMicroelectronics (NYSE: STM) and IBM (NYSE: IBM) today announced that the two companies have signed an agreement to collaborate on the development of next-generation process technology - the "recipe" that is used in semiconductor development and manufacturing.

The agreement includes 32-nanometer (nm) and 22nm complementary metal-oxide-semiconductor (CMOS) process-technology development, design enablement and advanced research adapted to the manufacturing of 300-millimeter (mm) silicon wafers. In addition it includes both the core bulk CMOS technology and value-added derivative System-on-Chip (SoC) technologies and positions both companies at the leading edge of technology development. The new agreement between IBM and ST will also include collaboration on IP development and platforms to speed the design of system-on-chip devices in these technologies.

As part of the agreement, each company will establish a technical development team at the other company's facility. For bulk CMOS development, ST will establish a research and development team in IBM's Semiconductor Research and Development Center in East Fishkill and Albany, New York. At the same time, IBM will establish a research and development team at ST's 300mm wafer semiconductor R&D and fabrication facility in Crolles, France, where the two companies will jointly develop a variety of value-added derivative technologies, such as embedded memory and analog/RF. These technologies can be broadly applied in consumer and server markets and in wireless applications, such as cell phones and global positioning devices.

STMicroelectronics will join a partnership of semiconductor manufacturing, development and technology companies who collaborate to address the design complexity and advanced process development necessary for producing smaller, faster, more cost efficient semiconductors. Members in this six-company development network - known as the IBM CMOS technology alliance - benefit from early access to technology, the ability to drive technology definition, the combined research and development resources for problem solving and access to a common manufacturing base.

Similarly, IBM and ST will work together to expand the network at ST's 300mm wafer semiconductor fabrication facility in France to include other members of IBM's CMOS technology alliance interested in the development of value-added derivative SoC technologies.

By participating in open ecosystems that share resources among its members, companies in these technology alliances realize an increase in the speed of innovation and decrease in associated costs that result from pooling individual research and development strength and intellectual property. As the alliances expand, the benefits from the collaborative relationships increase exponentially as more associates apply more resources to the challenge of designing and manufacturing better semiconductors, faster and cheaper.

"ST has made the strategic decision to focus more of its research and development resources on developing value-added derivatives that capitalize on our extensive know-how in system-orientated technologies," said Laurent Bosson, executive vice-president, Front-end Technology and Manufacturing, STMicroelectronics. "Given IBM's distinguished track record in the development of advanced semiconductor technologies, we believe working with them will give both companies the right level of expertise and technical solutions to address and conquer these strategic challenges and ensure time to market of competitive products."

"The addition of STMicroelectronics to the IBM technology alliance continues to strengthen our ability to address the semiconductor industry's technical and economic challenges inherent in developing advanced technologies," said John E. Kelly III, senior vice president, IBM Research. "Our joint expertise and cooperative efforts with ST will help enhance process development efforts while also delivering faster time to market and greater technology advantage to our clients."

The jointly developed processes will be ramped up into volume production at ST's 300mm wafer semiconductor fabrication facility (Crolles, France), as well as in the Common Platform manufacturers' 300mm facilities, which includes IBM.

With a longer-term perspective, IBM, CEA-LETI (Grenoble, France), and ST plan to work on advanced topics for future technology nodes, building on the long history of successful collaboration between the CEA-LETI public research institute and ST.

Financial details relating to this deal were not disclosed.

About STMicroelectronics

STMicroelectronics is a global leader in developing and delivering semiconductor solutions across the spectrum of microelectronics applications. An unrivalled combination of silicon and system expertise, manufacturing strength, Intellectual Property (IP) portfolio and strategic partners positions the Company at the forefront of System-on-Chip (SoC) technology and its products play a key role in enabling today's convergence markets. The Company's shares are traded on the New York Stock

Exchange, on Euronext Paris and on the Milan Stock Exchange. In 2006, the Company's net revenues were \$9.85 billion and net earnings were \$782 million. Further information on ST can be found at www.st.com.

For further information about IBM Microelectronics, visit <http://www.ibm.com/chips/>

For more information about IBM Research, visit <http://www.ibm.com/research>

PR No. C2546C

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SIGNATURES

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

STMicroelectronics N.V.

Date: July 25, 2007

By: /s/ CARLO FERRO

Name: Carlo Ferro

Title: Executive Vice President and Chief Financial Officer