

# PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Pierre Caubet		04/23/2008
Rym Benaboud		04/26/2008
RECEIVING PARTY DATA		
Name:	STMicroelectronics S.A.	
Street Address:	29, Boulevard Romain Rolland	
City:	Montrouge	
State/Country:	FRANCE	
Postal Code:	92120	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12112903	
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ATTORNEY DOCKET NUMBER:	852163.473	
NAME OF SUBMITTER:	Hai Han, Ph.D.	
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PATENT

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REEL: 021375 FRAME: 0891

## ASSIGNMENT

WHEREAS, we, Pierre Caubet and Rym Benaboud (hereinafter referred to as ASSIGNORS), having mailing addresses of 3 rue Bertold Brecht, 38420 Le Versoud, France, and 1, rue Antoine Polotti, 38400 Saint Martin d'Hères, France, respectively, are the joint inventors of an invention entitled "ELECTRONIC COMPONENT COMPRISING A TITANIUM CARBONITRIDE (TiCN) BARRIER LAYER AND PROCESS OF MAKING THE SAME," as described and claimed in the specification for which an application for United States letters patent was filed on April 30, 2008, and assigned application No. 12/112,903;

WHEREAS, STMicroelectronics S.A. (hereinafter referred to as ASSIGNEE), a corporation of the country of France having a place of business at 29, Boulevard Romain Rolland, Montrouge, France 92120, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

April 23rd, 2008  
Date

Pierre Caubet  
Pierre Caubet

I certify that I know or have satisfactory evidence that Pierre Caubet is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated April 23, 2008

Signature of  
Witness [Signature]

Printed Name P. NORMANDON

April 26th, 2008  
Date

Rym Benaboud  
Rym Benaboud

I certify that I know or have satisfactory evidence that Rym Benaboud is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated April 30 2008

Signature of  
Witness [Signature]

Printed Name P. NORMANDON

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