## PATENT ASSIGNMENT

## Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DATA			
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Olivier Le Neel			10/25/2011
RECEIVING PARTY DATA			
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Property Type		Number	
Application Number: 13285		5894	13285894
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## ASSIGNMENT

WHEREAS, we, Suman Cherian and Olivier Le Neel (hereinafter referred to as ASSIGNORS), having mailing addresses of Block 519, Serangoon North Avenue 4, #08-294, Singapore, Singapore 550519 and 58 Thomson Green, Singapore, Singapore 574934, respectively, are the joint inventors of an invention entitled "SINGLE CHIP HAVING THE CHEMICAL SENSOR AND ELECTRONICS ON THE SAME DIE," as described and claimed in the specification for which an application for United States letters patent was filed on 10/31/11, and assigned Application No. 13/285, 894

WHEREAS, STMicroelectronics Pte Ltd. (hereinafter referred to as ASSIGNEE), a corporation of the country of Singapore having a place of business at 28 Ang Mo Kio, Industrial Park 2, Singapore, Singapore 569508, 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 including any extensions or adjustments in term thereof 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 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 letters patent, or for the purpose of protecting title to said invention or letters patent therefor

Assignce's counsel is authorized to insert the official filing date and application number information when it becomes

available.

25 Oct. 2011

Date

october 25th Bu

Suman Cherian

Olivier Le Neel

PATENT REEL: 027150 FRAME: 0593

**RECORDED: 10/31/2011**