

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sia Kim Tan</td> <td>10/20/2004</td> </tr> <tr> <td>Qunying Lin</td> <td>10/20/2004</td> </tr> <tr> <td>Liang-Choo Hsia</td> <td>10/20/2004</td> </tr> </tbody> </table>		Name	Execution Date	Sia Kim Tan	10/20/2004	Qunying Lin	10/20/2004	Liang-Choo Hsia	10/20/2004
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Sia Kim Tan	10/20/2004								
Qunying Lin	10/20/2004								
Liang-Choo Hsia	10/20/2004								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	CHARTERED SEMICONDUCTOR MANUFACTURING LTD.								
<b>Street Address:</b>	60 Woodlands Industrial Park D								
<b>Internal Address:</b>	Street 2								
<b>City:</b>	Singapore 738406								
<b>State/Country:</b>	SINGAPORE								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10973526</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10973526				
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Application Number:	10973526								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(408)738-0881								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	408-738-0592								
<b>Email:</b>	efiling@ishimarulaw.com								
<b>Correspondent Name:</b>	Mikio Ishimaru								
<b>Address Line 1:</b>	The Law Offices of Mikio Ishimaru								
<b>Address Line 2:</b>	1110 Sunnyvale-Saratoga Rd., Ste. A1								
<b>Address Line 4:</b>	Sunnyvale, CALIFORNIA 94087								
<b>NAME OF SUBMITTER:</b>	Mikio Ishimaru								
<b>Total Attachments: 2</b> source=1016-044 Assignment#page1.tif source=1016-044 Assignment#page2.tif									

CH \$40.00 10973526

## ASSIGNMENT

WHEREAS, the undersigned (hereinafter termed Assignor(s)) has/have invented certain new and useful improvements in

### **ANTI-REFLECTIVE SIDEWALL COATED ALTERNATING PHASE SHIFT MASK AND FABRICATION METHOD**



for which a United States patent application has been executed on or before the date of this assignment.

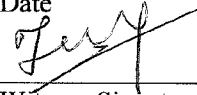
WHEREAS, CHARTERED SEMICONDUCTOR MANUFACTURING LTD., a Corporation of the Republic of Singapore, having a place of business at 60 Woodlands Industrial Park D, Street 2, Singapore 738406, Singapore (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignor(s) from said Assignee, the receipt of which is hereby acknowledged by said Assignor(s):

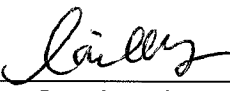

1. Said Assignor(s) does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignor(s); and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
2. Said Assignor(s) hereby covenants and agrees to cooperate with said Assignee where said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by assignee for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignor(s) in lending such assistance and cooperation shall be paid by the Assignee.
3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives and shall be binding upon said Assignor(s), his/her heirs, legal representatives and assigns.
4. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.

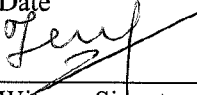
IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

  
 \_\_\_\_\_  
 Sia Kim Tan  
  
 \_\_\_\_\_  
 Witness Signature  
 CHUA GEK SOON  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date



20 OCT 2004  
 \_\_\_\_\_  
 Date  
  
 \_\_\_\_\_  
 Witness Signature  
 CHEN FENG  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date

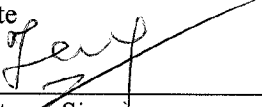
IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

  
 \_\_\_\_\_  
 Qunying Lin  
  
 \_\_\_\_\_  
 Witness Signature  
 CHUA GEK SOON  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date

20/10/04  
 \_\_\_\_\_  
 Date  
  
 \_\_\_\_\_  
 Witness Signature  
 CHEN FENG  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date

IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

  
 \_\_\_\_\_  
 Liang-Choo Hsia  
  
 \_\_\_\_\_  
 Witness Signature  
 CHUA GEK SOON  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date

20 Oct -04  
 \_\_\_\_\_  
 Date  
  
 \_\_\_\_\_  
 Witness Signature  
 CHEN FENG  
 \_\_\_\_\_  
 Print Witness Name  
 20/10/2004  
 \_\_\_\_\_  
 Date