

02-28-2002



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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings $\Rightarrow \Rightarrow \Rightarrow$	<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): <b>Advanced Systems Automation Ltd</b> <div style="text-align: right; margin-top: 10px;"><i>2.12.02</i></div> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Questech Solutions Pte Ltd</u> Internal Address: _____ _____ Street Address: <u>33 Marsiling Industrial</u> <u>Estate Rd 3, #03-01/03</u> City: <u>Singapore</u> State: _____ Zip: <u>739256</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>09/861,020</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>COLUMBIA IP LAW GROUP, PC</u> Internal Address: <u>Aloysius T.C. AuYeung</u> _____ Street Address: <u>10260 SW Greenburg Road</u> <u>Suite 820</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97223</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: _____ (Attach duplicate copy of this page if paying by deposit account)	
<b>DO NOT USE THIS SPACE</b>		
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"> <b>Aloysius T.C. AuYeung, Reg. No. 35,432</b>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 20%; text-align: center;"> <u>1/15/02</u>            Date         </div> </div> <div style="text-align: right; margin-top: 5px;">         Total number of pages including cover sheet, attachments, and documents: <u>10</u> </div>		

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

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**PATENT**  
**REEL: 012605 FRAME: 0126**

<i>ASSIGNMENT</i>
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In consideration of good and valuable consideration, the receipt of which is hereby acknowledged,

Advanced Systems Automation Ltd, a corporation of Singapore, having a principal place of business at 54 Serangoon North Ave. 4, Singapore 555854 ("Assignor"), owner of U.S.A. Patent Application No. 09/861,020 filed 18 May 2001 entitled METHOD FOR FORMING A FLIP CHIP SEMICONDUCTOR PACKAGE, represented by the undersigned having full power to execute this Assignment,

hereby sells, assigns, and transfers to Questech Solutions Pte Ltd, a corporation of Singapore, having a principal place of business at 33 Marsiling Industrial Estate Rd 3, #03-01/03, Singapore 739256, ("Assignee"), and its successors, assigns, and legal representatives,

the entire right, title, and interest for U.S.A. and all foreign countries, in and to any and all improvements that are disclosed in said application for the U.S.A. patent, and in and to said application and all other patent applications that have been or shall be filed in U.S.A. and all foreign countries on any of said improvements; and in and to all original patents that have been or shall be issued in U.S.A. and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said U.S.A. application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said

improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Advanced Systems Automation Ltd

Dated: 8 October, 2001

By: 

Name: Chew Hwee Seng Jimmy

Title: Chief Executive Officer

Assignment Document Return Address:

Lawrence Y.D. Ho & Associates Pte Ltd  
30 Bideford Road  
#07-01 Thongsia Building  
Singapore 229922  
Tel : 65-734-8441  
Fax : 65-734-8521

**A S S I G N M E N T**  
*(For Execution After Filing Patent Application)*

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

**ASSIGNOR(S):** Tan Kim Hwee

Blk 104A, Ang Mo Kio Street 11, #06-69,  
Singapore 560104

hereby sell, assign, and transfer to

**ASSIGNEE:** Advanced Systems Automation Ltd  
54 Serangoon North Ave. 4  
Singapore 555854

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed on May 18, 2001 and assigned Application No. 09/861,020 entitled:

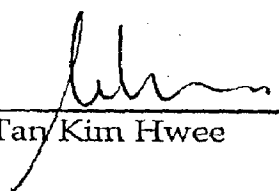
**METHOD FOR FORMING A FLIP CHIP SEMICONDUCTOR PACKAGE**

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal

representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

<u>31 July</u> , 2001 Date	 Name: Tan Kim Hwee
<u>          </u> , 2001 Date	Name: _____
<u>          </u> , 2001 Date	Name: _____
<u>          </u> , 2001 Date	Name: _____
<u>          </u> , 2001 Date	Name: _____

**A S S I G N M E N T**  
(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

**ASSIGNOR(S):** Romeo Emmanuel P. Alvarez  
526 Woodlands Drive 14, #07-463,  
Singapore 530526

hereby sell, assign, and transfer to

**ASSIGNEE:** Questech Solutions Pte Ltd  
33 Marsiling Industrial Estate Rd 3, #03-01/03,  
Singapore 739256

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed on May 18, 2001 and assigned Application No. 09/861,020 entitled:

**METHOD FOR FORMING A FLIP CHIP SEMICONDUCTOR PACKAGE**

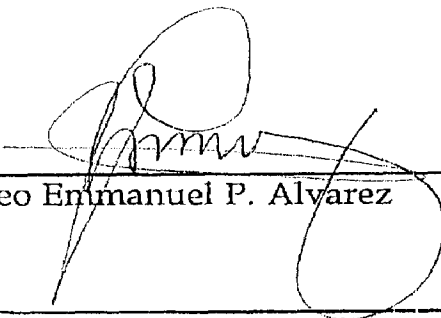
and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal

representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

27 JULY, 2001  
Date

  
Name: Romeo Emmanuel P. Alvarez

\_\_\_\_\_, 2001  
Date

Name:

\_\_\_\_\_, 2001  
Date

Name:

\_\_\_\_\_, 2001  
Date

Name:

\_\_\_\_\_, 2001  
Date

Name:

Assignment Document Return Address:

COLUMBIA IP LAW GROUP, PC  
4900 SW Meadows Road, Suite 109  
Lake Oswego, Oregon 97035  
503-534-2800



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Questech Solutions Pte LtdApplication No./Patent No.: 09/861,020 Filed/Issue Date: May 18, 2001Entitled: METHOD FOR FORMING A FLIP CHIP SEMICONDUCTOR PACKAGEQuestech Solutions Pte Ltd, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Romeo Emmanuel P. Alvarez To: Questech Solutions Pte Ltd  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: Tan Kim Hwee To: Advanced Systems Automation Ltd ✓  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: Advanced Systems Automation Ltd To: Questech Solutions Pte Ltd  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1/15/02  
Date

Aloysius Anyang  
Typed or printed name  
[Signature]  
Signature  
Attorney for Applicant  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.