12-30-2003			
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(1) Jen-Lin CHAO (3) Chen-Wei HSU (2) Chao-Hsien LIN (4) Chin-Yung CHANG	Name: Taiwan Co., L	ress of receiving party(ies)  Semiconductor Manufacturing td.	
Additional name(s) of conveying party(ies) attached? ☐Yes ☑No	Street Address:		
3. Nature of conveyance:		R.O.C.	
	Additional name(s)	) & address(es) attached? ☐ Yes   No	
Execution Date: November 13, 2003			
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:  November 13, 2003			
A. Patent application No.(s)	ı	B. Patent No.(s)	
Additional numbers attached? ☐ Yes ☒No			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of	applications/patents involved: [1]	
	7. Total fee (37 CF	FR 3.41) \$ 40.00	
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information	(Attach duplicate copy of HIS SPACE		

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Total number of pages including cover sheet, attachments, and document: [3]

Docket #: 252011-1260

PATENT

**REEL: 014825 FRAME: 0972** 

## **ASSIGNMENT**

WHEREAS, <u>Jen-Lin CHAO</u> ,	Chao-Hsien LIN, Chen-Wei HSU
and Chin-Yung CHANG hereafte	r referred to as ASSIGNOR, has/have invented
<del>-</del>	escribed and set forth in the below identified
application for United States Letters Patent	t:
Title: SYSTEM AND METHOD FOR PULL-IN	N ORDER PLANNING AND CONTROL
Filed:	Serial No.
Executed on: November 13, 2003	
No.8, Li-Hsin Rd. 6, Science Taiwan 300-77, R.O.C. hereina	ductor Manufacturing Co., Ltd. of e-Based Industrial Park Hsin-Chu, after referred to as ASSIGNEE, is desirous of dinvention and application and in any U.S. Letters
good and valuable consideration, receipt Assignor has/have sold, assigned and transfer transfer unto the said Assignee, and Assign title and interest in and to the said inven- thereon, and in and to any Letters Patent v United States, the said interest to be held an as it would have been held and enjoyed by been made, to the full end and term of any	of which is hereby acknowledged by Assignor, terred, and by these presents does/do sell, assign and nee's successors and assigns, all his/her/their rights, ation and application and all future improvements which may hereafter be granted on the same in the ad enjoyed by said Assignee as fully and exclusively said Assignor had this Assignment and transfer not Letters Patent which may be granted thereon, or of hole or in part, substitution, conversion, reissue,
Assignee, but at Assignee's expense, coorapplication and/or applications, execute, papers, including applications for Letters Parassignment and transfer thereof, and will prequest, to obtain or maintain Letters Pater title thereto in said Assignee, or Assignee's	that he/she/they will, without charge to said operate with Assignee in the prosecution of said verify, acknowledge and deliver all such further atent and for the reissue thereof, and instruments of perform such other acts as Assignee lawfully may not for said invention and improvement, and to vest successors and assigns.  gnor has/have signed his/her/their name(s) on the
Fen-Lin Chave	11/13 2003
Jen-Lin CHAO	Date:
ihac-Msien Im	11/13/2003
Chao-Hsien LIN	Date:

0503-9736US/TSMC2003-0582

PATENT REEL: 014825 FRAME: 0973

Chen-Wei Hlsu	11/13/2003
Chen-Wei HSU	Date:
Chin-Yung Chang	u/12/2003
Chin-Yung CHANG	Date:

0503-9736US/TSMC2003-0582

**RECORDED: 12/18/2003** 

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