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Name <u>Morton J.</u> Rosenberg	<u> </u>	
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Statement and Signature To the best of my knowledge and be attached copy is a true copy of the indicated herein. Morton J. Rosenberg Name of Person Signing	ellef, the foregoing information is true and original document. Charges to deposit ad Month Signature	f correct and any count are authorized, as 10/39/01 Date

PATENT REEL: 012293 FRAME: 0390

ASSIGNMEN				
This Assignment agreement is applicable to an invention enti				
The PATENT RIGHTS referred to in this agreement are: (Check one) X a Patent Application for this invention, executed I U.S. Patent Application Serial No.	by the ASSIGNOR(s) concurrently with this Assignment, filed,, issued,			
The PATENT RIGHTS assigned under this agreement are:	, 100000			
(Check one) 😨 U.S. Patent rights only worldwide Patent rights. In this case, the assign	ee shall have the right to claim the benefit of the filing date of			
any U.S. Patent Application identified above. The ASSIGNOR(s) referred to in this agreement is (or are):				
(Full name of first assignor) <u>PING-HSIUNG LIU</u> (Address) <u>9F, No. 3, Lane 28, Section 2, Hsir</u> <u>Taipei, Taiwan, R.O.C.</u>	n Sheng N. Rd., Chung Shan District,			
(Full name of second assignor, if any)				
(Full name of third assignor, if any)				
(Full name of fourth assignor, if any)				
(Address)				
The First ASSIGNEE referred to in this agreement is:	-			
(Name of Assignee) <u>CALIX TECHNOLOGY CO., LTD.</u> (Address of Assignee) <u>No. 128, Jen Ho Rd., Taina</u>	n, Taiwan, R.O.C.			
The Second ASSIGNEE referred to in this agreement is:				
(Name of Assignee)(Address of Assignee)				
The First ASSIGNEE is: (Check one) 🔲 an individual				
a partnership	C.			
X a Corporation of <u>latwall</u> , Reco	(State or Country)			
The Second ASSIGNEE is: (Check one)				
a partnership a Corporation of				
	(State or Country)			
Additional assignees are being named	on separately numbered sheets attached hereto.			
The ASSIGNOR(S), in consideration of \$1.00 paid by each	ASSIGNEE and other good and valuable consideration, receipt of			
the full and exclusive right to the invention,	distances in and to the PATENT RIGHTS in the invention, all			
continuations, continuations-in-part, divisionals, m	ensues, and re-examination participations for this invention.			
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Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEL(s) do in Successors and assigns.				
Further, the ASSIGNOH(s) agree(s) to communicate to sal	is resident Early to an ers execute all divisional, continuation			
ASSIGNOR(s) respecting said invention, and testily in any legal pro	section and the all peressary assignment papers to cause			
continuation-in-part, substitute, renewal, reexamination and reissue any and all Letters Patent to be issued to said ASSIGNEE(s), make able to aid said ASSIGNEE(s), their successors and assigns, to obt	all rightful oaths and generally do everything necessary of desiring and enforce proper protection for said invention.			
able to aid said ASSIGNEE(s), their successors and assigns, to out	10/26/2001			
Ving -1-1 (Vng LIV	(Date)			
(Signature of sole or first assignor) PING-HSIUNG LIU (LIU IS FAMILY NAME)				
(Signature of second assignor, if any)	(Date)			
	(Date)			
(Signature of third assignor, if any)				
(Signature of fourth assignor, if any)	(Dale)			

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RECORDED: 10/30/2001

## PATENT REEL: 012293 FRAME: 0391