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SUBMISSION TYPE	l:	NEW ASSIGNMENT			
NATURE OF CONV	EYANCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PART	Y DATA				
		Name	Execution Date		
Chian-Min R. Ho			02/10/1998		
Robert Kristianto M	ardjuki		02/10/1998		
David Lansing Dill			02/20/1998		
Jing Chyuarn Lin			02/10/1998		
Ping Fai Yeung			02/27/1998		
Paul Estrada			02/10/1998		
Jean-Charles Giom	i		02/10/1998		
Tai An Ly			02/10/1998		
Kalyana C. Mulam			02/10/1998		
Lawrence Curtis W	iddoes Jr.		02/10/1998		
Paul Andrew Wilco	Paul Andrew Wilcox 02/10/1998				
Name: Street Address:	1784 Techno	esign Automation, Inc.			
City:	San Jose				
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Property	Туре	Nun	nber		
Patent Number:		6885983			
Patent Number: 7478028					
CORRESPONDENC	CE DATA				
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	ine raea	nen@klarquist.com			

PATENT REEL: 024263 FRAME: 0443

501154360

Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Patrick M. Bible 121 SW Salmon Street Suite 1600 Portland, OREGON 97204		
ATTORNEY DOCKET NUMBER: 1011-84714-02			
NAME OF SUBMITTER:		Patrick M. Bible	
Total Attachments: 6 source=1011-84714-01 - Assignment from Inventors#page1.tif source=1011-84714-01 - Assignment from Inventors#page2.tif source=1011-84714-01 - Assignment from Inventors#page3.tif source=1011-84714-01 - Assignment from Inventors#page5.tif source=1011-84714-01 - Assignment from Inventors#page5.tif		nventors#page2.tif nventors#page3.tif nventors#page4.tif nventors#page5.tif	

ASSIGNMENT

Chian-Min Richard Ho	of	Mountain View, California	
Robert Kristianto Mardjuki	of	Danville, California	
David Lansing Dill	of	Redwood City, California	
Jing Chyuarn Lin	of	Sunnyvale, California	
Ping Fai Yeung	of	San Jose, California	
Paul II Estrada	of	Los Altos, California	
Jean-Charles Giomi	of	Menlo Park, California	
Tai An Ly	of	Fremont, California	
Kalyana C. Mulam	of	San Jose, California	
Lawrence Curtis Widdoes, Jr.	of	San Jose, California	
Paul Andrew Wilcox	of	Palo Alto, California	

For good and valuable consideration, receipt of which is hereby acknowledged, we

hereby sell, assign and transfer to 0-In Design Automation, a Delaware corporation, having a place of business at 1784 Technology Drive, San Jose, California 95110, its successors and assigns, the entire right, title and interest throughout the world in our invention in

A Method For Automatically Searching For Functional Defects in a Description Of A Circuit

for which we filed a United States Patent Application on October 20, 1997, and now has Serial No. 08/954,765, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed the	his $\underline{i}\overline{\partial}^{7\#}$ day of	FEBRU.N2	7	,	19 <u>78</u> .	A
					Chian-Mi	P. Ha
and Char					Cilian-Ivii	п к. по
State of $C_{\Delta LIF}$ County of $S_{\Delta M}$	(C. M.)	SS.				
						
On Fr	B 10. 1994	_ before me, _	DONAIS	M. v know	J 6/+4/SON	personally appeared to me on the basis of
satisfactory eviden	ce to be the person	(s) whose nat	me(s) is(are) sı	ıbscribe	ed to the within ins	trument and
	ure(s) on the instru					the person(s) acted,
executed the instru	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU					
	ONALD M. JOHNS COMM. # 1081092		WITNESS	my han	id and officiat seal	
HW N	OTARY PUBLIC — CALIFOR COUNTY OF SANTA CLAR DMM. Exp. Dec. 25, 19	A E	SICNATU	<u>Xn</u>	ICA THE ALL	
	(#11##################################	777 🗃	SIGNATU	NE OF	NUTARI	

- 1 -

PATENT REEL: 024263 FRAME: 0445

February , 19<u>9</u>§ Executed this 10 day of Kristianto Marcyul Robert Kristianto Marcyuki

State of CALIFURNI

On FEB 10. 1998 before me, Daw Aug M. Januson personally appeared REBERT KRATTO MARDJUICI personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

	WITNESsymy hand and official seal.
DONALD M. JOHNSON COMM. # 1081092	SIGNATURE OF NOTARY
COUNTY OF SANTA CLARA Comm. Exp. Dec. 25, 1999	SIGNATORE OF NOTART
Executed this 20 day of Februa	19 <u>98</u> . Denil 2 Dill
	David Lansing Dill
State of <u>CAUFCRMA</u>)	
) ss. County of <u>SAUTA CLARA</u>)	
On <u>FEB 20, 1998</u> before me, _	DOROThy L. Levin personally appeared personally known to me or proved to me on the basis of
DAVID LAMSING DILL	personally known to me or proved to me on the basis of
	ne(s) is(are) subscribed to the within instrument and

acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Maco they 2. Devin SIGNATURE OF NOTARY

PATENT REEL: 024263 FRAME: 0446

Executed this \angle day of \angle

Jing Chyuarn Lin

State of $\underline{C+C+F+2+N+A}$) ss. County of $\underline{S+N+T+C+A+2+}$) ss. On \overrightarrow{FEB} 10, 1997 before me, $\overrightarrow{Dov}4 c_1 \underline{M}$. $\overrightarrow{JCHASCA}$ personally appeared \overrightarrow{JHL} $\overrightarrow{CHYUARA} \underline{L} \underline{H}$ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and

satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.
DONALD M. JOHNSON COMM. # 1081092
SIGNATURE OF NOTARY
Comm. Exp. Dec. 25, 1999
Executed this 27 day of February, 19 8.
Mun Phi mi
' Ping Fai Yeung
State of <u>California</u>)) ss.
) ss.
County of <u>Jan Jose</u>)
On <u>Feb 27, 98</u> before me, <u>Debra L. Riggi 0</u> personally appeared
<u>Fing Fai yeing</u> personally known to me or proved to me on the basis of
satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and
acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted,

Debra L. Riggio Comm. #1162990 NOTARY PUBLIC - CALIFORNIA SANTA CLARA COUNTY Comm. Exp. Nov. 23, 2001

executed the instrument.

WITNESS my hand and official seal. SIGNATURE OF NOT ARY

Attorney Docket No.: M-5333 US US

Executed this 10^{-4} day of	FESROART	1	, 19 <u>98</u>	
		1.1	Paul II E	Estrada
State of <u>CALIFORNIA</u> County of <u>SANTA</u> CLARK	SS.			
On FER 10,1997	before me, Dova-m	M. nally kn	JeHuso ~ own to me or prove	personally appeared d to me on the basis of

satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

DONALD M. JOHNSON COMM. # 1081092 NOTARY PUBLIC – CALIFORNIA COUNTY OF SANTA CLARA Comm. Exp. Dec. 25, 1999	WITNESS my hand and official seal.
Executed this <u>10</u> day of <u>February</u>	, 19 98.
	Jean-Charles Giomi
State of <u>CALIFORNIA</u> County of <u>SANTA</u> CLARA SS.	
On FEB 10.1998 before me, 1 JEAN CHARLES GIOMI	personally known to me or proved to me on the basis of
satisfactory evidence to be the person(s) whose nam	e(s) is(are) subscribed to the within instrument and ame in his/her/their authorized capacity(ies), and that by

Sa a his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

DONALD M. JOHNSON COMM. # 1081092 FUELIC Comm: Exp. Dec. 25, 1999

WITNESS my hand and official seal. SIGNATURE OF NOTARY

Executed this <u>10</u> day of <u>February</u> TarAnL

State of
$$\underline{CALIFCRIAIA}$$

County of \underline{SAATA} \underline{CLANA} ss.
County of \underline{SAATA} \underline{CLANA} ss.
On $\underline{FEB. 10, 1948}$ before me, \underline{DeHALA} \underline{M} . $\underline{JeHALOA}$ personally appeared
 \underline{TAL} \underline{AH} \underline{LV} personally known to me or proved to me on the basis of

satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

DONALD M. JOHNSON COMM. # 1081092 NOTARY PUBLIC - CALIFORNIA C COUNTY OF SANTA CLARA Comm. Exp. Dec. 25, 1999	WITNESS my hand and official seal.	
E 11311314444444444441131443314445464444445555444444444737 ³	a 7	
Executed this <u>10</u> day of $F \neq B.2r \wedge F$	<u>/, 19<i>1</i>7.</u>	
	free C. mulan.	
	Kalyana C. Mulam	
State of <u>CALIFORMIN</u> County of <u>SANTA CLAME</u> SS.		
County of SANTA CLAMEL) SS.		
On \overline{FEB} 10 1 94 8 before me,	Dow A w, M. Jerry Sew personally appeared personally known to me or proved to me on the basis of	
satisfactory evidence to be the person(s) whose name		
	same in his/her/their authorized capacity(ies), and that by	
his/her/their signature(s) on the instrument the perso	on(s), or the entity upon behalf of which the person(s) acted,	

executed the instrument.

Comm. Exp. Dec. 25, 1999

DONALD M. JOHNSON

CALIFORNIA

COMM. # 1081092

OTARY PUBLIC - CALIFORN COUNTY OF SANTA CLARA

WITNESS my hand and official seal.

SIGNATURE OF NOTAR

PATENT REEL: 024263 FRAME: 0449

MRS1 IL

Attorney Docket No.: M-5333 US US

Executed this _	0 day of	FREUMRY	, 19 <u>98</u> . 1	١	
			awren	. Curthe Dullber).	۰ ۲
			 Lawrence (Curtis Widdoes Ir	

State of $\underline{COUFFRAM}$ County of $\underline{San Tr} (\underline{CUNFa})$ ss.

On <u>FEB 10, 1998</u> before me, <u>Density</u> <u>M</u>. <u>January</u> personally appeared <u>LAWAENCE CONTANISOCE</u> JA personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

	WITNESS my hand and official s	eal.
DONALD M. JOHNSON COMM. # 1081092 NOTARY PUBLIC - CALIFORNIA COUNTY OF SANTA CLARA Comm. Exp. Dec. 25, 1999	SIGNATURE OF NOTARY	2
() 110110114710000011114100000000000000000	-	
Executed this 10 day of FeBeu	1998	
	flyil a milly	
	Paul A	ndrew Wilcox
State of CACIFORNIA		
County of Sani TA CLASER) SS.		
On $F \in \mathcal{B}$ 10, 1897 before me,	DONALD M. JOHNSON	personally appeared
	personally known to me or prov	ed to me on the basis of

satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

DONALD M. JOHNSON COMM. # 1081092 NOTARY PUBLIC – CALIFORNIA COUNTY OF SANTA CLARA Comm. Exp. Dec. 25, 1999

WITNESS my hand and official seal.

SIGNATURE OF NOTAR

RECORDED: 04/21/2010

PATENT REEL: 024263 FRAME: 0450