FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 02-05-2003



U.S. Department of Commerce Patent and Trademark Office PATENT

102356945

RECORDATION FORM COVER SHEET

	PATE	ENTS ONL	Y		
TO: The Commissioner of Patents and Trademark				nal docum	ent(s) or copy(ies).
Submission Type 1-27-03		eyance Type			
X New	XA	ssignment	Secu	ırity Agreeı	ment 2
Resubmission (Non- Recordation) Document ID#	L	icense	Chan	ge of Nam	e .321
Correction of PTO Error Reel # Frame #	N	1erger	U.S. Gov		
Corrective Document Reel # Frame #			ONLY by U.S. artmental Fi	Government A	Agencies)
Conveying Party(ies)	Х	lark if additional r	names of conv	eying partie	es attached Execution Date
Name (line 1) Steven G. Hoover					January 3, 2003
Name (line 2)					
Second Party					Execution Date Month Day Year
Name (line 1) David McLean					January 3, 2003
Name (line 2)					14250201
Name (line 2)					10.552524
Receiving Party		Mai	rk if additiona	I names of re	eceiving parties attached
Name (line 1) Advanced Interactive Systesm, Inc.					If document to be recorded is an assignment and the
Name (line 2)					receiving party is not domiciled in the United States, an appointment
Address (line 1) 565 Andover Park West, Suite 201, Se	attle, WA	A 98188-3321			of a domestic representative is attached. (Designation must be a
Address (line 2)				The Header	separate document from Assignment.)
Address (line 3) Seattle City	WA	State/Country		98188-332 Zip Co	
Domestic Representative Name and Ad	ldress		r the first Rec		
Name David L. Tingey		$\overline{}$	· · · · · · · · · · · · · · · · · · ·		
Address (line 1) 321 Burnett Ave. S. Suite 303		· · · · · · · · · · · · · · · · · · ·	***		
Address (Iline 2) Renton, WA 98055		01/29/2003 GG	EBREGI 00000		- I
Addross # - N		01 FC:8021		4	0.00 OP
Address (line 3)					
Address (line 4)					
F	OR OFFI	CE USE ONLY			

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice, DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS

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

> PATENT REEL: 013714 FRAME: 0113

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Expires 06/3	30/99		
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## Page 2

.S.	Department of Commerce
ater	nt and Trademark Office

Correspondent Name and Address Area Code and Telephone Number 425 271 7700
Name David L. Tingey
Address (line 1) 321 Burnett Ave. S., Suite 303
Address (line 2) Renton, WA 98055
Address (line 3)
Address (line 4)
Pages Enter the total number of pages of the attached conveyance document including any attachments. # 5
Application Number(s)
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).
Patent Application Number(s) Patent Number(s)
If this document is being filed together with a new Patent Application, enter the date the patent application was    Month Day Year
Patent Cooperation Treaty (PCT)
Enter PCT application number PCT PCT PCT PCT
only if a U.S. Application Number PCT PCT PCT PCT PCT PCT
Number of Properties Enter the total number of properties involved. # 1
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.
Method of Payment: Enclosed X Deposit Account
(Enter for payment by deposit account or if additional fees can be charged to the account.)  Deposit Account Number: # 500416
Authorization to charge additional fees: Yes X No
Statement and Signature
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. Charges to deposit account are authorized, as indicated herein.
David L. Tingey January 27, 2003
Name of Person Signing Signature Date

F-FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

## RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

Conveying Pa		Execution Date
Enter additional C	onveying Parties	Month Day Year
Name (line 1) Geo	orge W. T. Haynes	January 3, 2003
Name (line 2)		
		Execution Date Month Day Year
Name (line 1) Wi	lliam J. Halley	January 3, 2003
Name (in a)		
Name (line 2)		Execution Date
Name (line 1) Sco	ott Martin	Month Day Year January 3, 2003
	AL VIOLETI	Junuary 3, 2003
Name (line 2)		
Receiving Par	ty(ies) Mark if additional names of receiving parties	attached
Enter additional R	eceiving Partylfies)	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United
Hame (IIIIe 2)		States, an appointment of a domestic representative
Address (line 1)		is attached. (Designation must be a separate
Address (line 2)		document from Assignment.)
/ 100/ COO (III IC Z)		,
Address (line 3)	City State/Country Zip Code	
	Zip code	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United
		States, an appointment of a domestic representative is
Address (line 1)		attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	City State/Country Zip Cou	de
Application No	umber(s) or Patent Number(s) Mark if additional numbers attached	
	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same	
Pa	tent Application Number(s)  Patent Number	er(s)

ASSIGNMENT OF APPLICATION	Docket Number (Optional)
0. 11	
Whereas, I, STEVEN 6. HOOVER of Bellevye, V	Vashington hereafter
referred to as applicant, have invented certain new and useful improvemen	ts in SIMULATOR WITH FORE
AND AFT VIDEO DISPLAYS	
for which an application for a United States Patent was filed on	
Whereas, Advanced Interactive Systems, Inc. of Seattle, Washington	herein referred to
"assignee" whose post office address is 565 Andover Park West, Suite 201, Se	eattle, WA 98188-3321 is
desirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of $\underline{\underline{\mathrm{One}}}$ dollars (\$\frac{1.00}{}	), the receipt whereof is ac-
knowledged, and other good and valuable consideration, I, the applicant, b	y these presents do sell, assign
and transfer unto said assignee the full and exclusive right to the said inver	ntion in the United States and the
entire right, title and interest in and to any and all Patents which may be gran	nted therefor in the United States,
I hereby authorize and request the Commissioner of Patents and Tradema	arks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to the sa	me, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the full end of the	
be granted, as fully and entirely as the same would have been held by me h	
	aa ano aooigimione ana oaio not
been made.	
Executed thisday of	200 <u>3</u>
at, Washington	-
Sten (	7 Hoover
Washington	(Signature)
State of Washington SS:	
Before me personally appeared said acknowledged the foregoing instrument to be his free act and deed this	300
day of	
Nolliell	5,1 Wind
Seai	(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT** 

**REEL: 013714 FRAME: 0116** 

ASSIGNMENT OF APPLICA	TION	Docket Number (Optional)
Whereas, I, David Malean or referred to as applicant, have invented certain new a AND AFT VIDEO DISPLAYS		
AND ATT VIDEO DISTERTS		
for which an application for a United States I	Patent was filed on	
for which an application for a United States	Patent was executed on _	, and
Whereas, Advanced Interactive Systems, Inc. of	Seattle, Washington	herein referred to
"assignee" whose post office address is 565 Andover	Park West, Suite 201, Seattl	le, WA 98188-3321 is
desirous of acquiring the entire right, title and interes	t in the same;	
Now, therefore, in consideration of the sum of One	dollars (\$_1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable considera	ation, I, the applicant, by the	hese presents do sell, assign
and transfer unto said assignee the full and exclusiv	e right to the said inventio	n in the United States and the
entire right, title and interest in and to any and all Pat	ents which may be granted	I therefor in the United States,
I hereby authorize and request the Commissioner of	of Patents and Trademarks	s to issue said United States
Patent to said assignee, of the entire right, title, and	interest in and to the same	, for his sole use and behoof;
and for the use and behoof of his legal representativ	es, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would h	ave been held by me had	this assignment and sale not
been made.		
Executed this day of	nnuary	200 <u>3</u>
at Settle, Washington		
State of Washington SS:  County of King Sefore me personally appeared said David and acknowledged the foregoing instrument to be his day of Summary, 2003	free act and deed this 3	8. Burd
Seal	, (N	otary Public)

Burden Hour Statement: This form is estimated to take 0.1 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT** REEL: 013714 FRAME: 0117

ASSIGNMENT OF APPLI	CATION	Docket Number (Optional)
Whereas, I, George W. T. Haynes	S OF KENT Was	hington
~		
referred to as applicant, have invented certain ne	w and useful improvements i	n SIMULATOR WITH FORE
AND AFT VIDEO DISPLAYS		
for which an application for a United State Application Number/		
for which an application for a United State	es Patent was executed on	, and
Whereas, Advanced Interactive Systems, Inc.	of Seattle, Washington	herein referred to
"assignee" whose post office address is 565 Ando	ver Park West, Suite 201, Seattl	le, WA 98188-3321 is
desirous of acquiring the entire right, title and inte		
Now, therefore, in consideration of the sum of On	<u>e</u> dollars (\$\frac{1.00}{}	_), the receipt whereof is ac-
knowledged, and other good and valuable consid	leration, I, the applicant, by ti	hese presents do sell, assign
and transfer unto said assignee the full and exclu	sive right to the said inventio	n in the United States and the
entire right, title and interest in and to any and all	Patents which may be granted	therefor in the United States.
I hereby authorize and request the Commissione		·
•		
Patent to said assignee, of the entire right, title, a	nd interest in and to the same	, for his sole use and behoof;
and for the use and behoof of his legal representa	itives, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same wou	d have been held by me had	this assignment and sale not
been made.		
Executed thisday o	of January	2003
at, Washington		
	Source with	Magnes
State of Washington ) SS:	(8	Signature)
County of King	- 0 T W.	
Before me personally appeared said	rige W. I. Mayn.	<u>es</u>
day of Samuary, 2003	THE THEE ACT AIR GEED THIS	$\overline{\Omega}$
	Manek	Dare
Seal	(N	lotary Public)

Burden Hour Statement: This form is estimated to take 0.1 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, Patent and Trademark Office, Washington, DC 20221. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT** 

**REEL: 013714 FRAME: 0118** 

ASSI	SNMENT OF APPL	ICATION	Docket Number (O)	otional)
) in its	am J Halle	/ of MINBURN	, Washington	
	,			
		new and useful improve	ments in SIMULATOR WIT	TH FORE
AND AFT VIDEO DISPI	AYS			
for which an app	lication for a United Sta	ites Patent was filed on		l
			ed on	
Whereas, Advanced Inte	ractive Systems, Inc.	of Seattle, Washington	herein r	eferred to
"assignee" whose post o	ffice address is 565 And	over Park West, Suite 20	1, Seattle, WA 98188-3321	is
desirous of acquiring the	entire right, title and in	terest in the same;		
Now, therefore, in consid	leration of the sum of $\underline{C}$	one dollars (\$\frac{1.0}{2.0}	0), the receipt wher	eof is ac-
knowledged, and other	good and valuable cons	ideration, I, the applica	nt, by these presents do se	ll, assign
and transfer unto said as	signee the full and exc	lusive right to the said i	nvention in the United State	s and the
entire right, title and inte	rest in and to any and a	ll Patents which may be	granted therefor in the Unit	ed States,
I hereby authorize and I	equest the Commissio	ner of Patents and Trac	demarks to issue said Unite	ed States
Patent to said assignee,	of the entire right, title,	and interest in and to the	ne same, for his sole use an	d behoof;
and for the use and beho	of of his legal represen	tatives, to the full end o	of the term for which said Pa	itent may
be granted, as fully and	entirely as the same wo	uld have been held by I	me had this assignment and	l sale not
been made.				
Executed this3^	dayday	of January	200 <u>3</u>	<del></del> 1
at, W	ashington		A	-
		<u> </u>	100	
State of Washington	) ss:		(Signature)	
County of King Before me personally a	) ppeared said <u></u>	am J. Halle	-4	
and acknowledged the	oregoing instrument to b	e his free act and deed t	his 3 rcl	$\bigcirc$
day of January	_, 20	Marc	CK. Barel	
Seal			(Notary Public)	

Burden Hour Statement: This form is estimated to take 0.1 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT** 

**REEL: 013714 FRAME: 0119** 

	F APPLICATION	Docket Number (Optional)
< m.	m /	
Whereas, I, Scott MARTIN	of MERCER SLAND	, Washington hereafte
referred to as applicant, have invented	l certain new and useful improveme	ents in SIMULATOR WITH FORE
AND AFT VIDEO DISPLAYS		
for which an application for a U	United States Patent was filed on	
	United States Patent was executed	on, and
Whereas, Advanced Interactive Systems,	, Inc. of Seattle, Washington	herein referred to
"assignee" whose post office address is		
desirous of acquiring the entire right, tit	tle and interest in the same:	
	ŕ	
Now, therefore, in consideration of the	sum of One dollars (\$1.00	), the receipt whereof is ac-
knowledged, and other good and value	shia aanaidamatian I tha anniisant	but these museumter describers of
knowledged, and other good and valua	able consideration, i, the applicant,	by these presents do sell, assign
		_
and transfer unto said assignee the full	l and exclusive right to the said inve	ention in the United States and the
and transfer unto said assignee the full entire right, title and interest in and to a	I and exclusive right to the said inventions and all Patents which may be gra	ention in the United States and the anted therefor in the United States,
and transfer unto said assignee the full	I and exclusive right to the said inventions and all Patents which may be gra	ention in the United States and the anted therefor in the United States,
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and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Cor Patent to said assignee, of the entire rig	I and exclusive right to the said inventions and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the s	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof;
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the CorPatent to said assignee, of the entire rigand for the use and behoof of his legal	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the CorPatent to said assignee, of the entire rigand for the use and behoof of his legal to be granted, as fully and entirely as the said assignee.	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the CorPatent to said assignee, of the entire rigand for the use and behoof of his legal to be granted, as fully and entirely as the said assignee.	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Corporate to said assignee, of the entire rigand for the use and behoof of his legal be granted, as fully and entirely as the seen made.	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the CorPatent to said assignee, of the entire rigand for the use and behoof of his legal to be granted, as fully and entirely as the seen made.  Executed this	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradent ght, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Cor	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradent ght, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Corporate to said assignee, of the entire right and for the use and behoof of his legal and be granted, as fully and entirely as the state made.  Executed this	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradent ght, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not
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and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Corporate to said assignee, of the entire right and for the use and behoof of his legal and be granted, as fully and entirely as the state of washington .  State of Washington State of King SS:	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradent ght, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not  2003
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the CorPatent to said assignee, of the entire rigand for the use and behoof of his legal to be granted, as fully and entirely as the state of washington .  State of Washington, Washington, Washington  State of Washington, SS: County of King Before me personally appeared said	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not  2003  (Signature)
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Corporate to said assignee, of the entire right and for the use and behoof of his legal and be granted, as fully and entirely as the state of washington .  State of Washington State of King SS:	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not  2003  (Signature)
and transfer unto said assignee the full entire right, title and interest in and to a I hereby authorize and request the Corporate to said assignee, of the entire right and for the use and behoof of his legal to be granted, as fully and entirely as the state of washington washington State of Washington St	I and exclusive right to the said inventors and all Patents which may be grammissioner of Patents and Tradents, title, and interest in and to the strepresentatives, to the full end of the same would have been held by me	ention in the United States and the anted therefor in the United States, marks to issue said United States same, for his sole use and behoof; he term for which said Patent may had this assignment and sale not  2003  (Signature)

Burden Hour Statement: This form is estimated to take 0.1 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**RECORDED: 01/27/2003** 

**PATENT** REEL: 013714 FRAME: 0120