# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Daniel T. Kurtz	06/08/2012
Nathan D. Taylor	06/08/2012
Samir Bajaj	06/08/2012
Amol Pattekar	06/08/2012
Liam A. Weiner	06/08/2012
Christina E. Warren	06/08/2012

# **RECEIVING PARTY DATA**

Name:	Apple Inc.
Street Address:	1 Infinite Loop
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13492697

# **CORRESPONDENCE DATA**

Fax Number: (714)557-3347 Phone: 408-720-8300 Email: tu\_nguyen@bstz.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: APPLE INC./BSTZ BLAKELY SOKOLOFF TAYLOR

Address Line 1: 1279 OAKMEAD PARKWAY

Address Line 4: SUNNYVALE, CALIFORNIA 94085-4040

ATTORNEY DOCKET NUMBER:	4860P14769

REEL: 028484 FRAME: 0474

# Total Attachments: 10 source=APPLEP14769US1\_4860P14769\_ASSIGN#page1.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page2.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page3.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page4.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page5.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page6.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page7.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page8.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page8.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page9.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page9.tif source=APPLEP14769US1\_4860P14769\_ASSIGN#page9.tif

PATENT REEL: 028484 FRAME: 0475

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 4860P14769
For good and valuable consideration, the receipt and	sufficiency of which is hereby
acknowledged, I/we, the undersigned, Daniel T. Kurtz, Nathan D.	. Taylor, Samir Bajaj, Amol Pattekar,
Liam A. Weiner, Christina E. Warren,	
hereby sell, assign, and transfer to Apple Inc.	
a <u>corporation</u> of <u>Calif</u> (Type of Assignee: e.g., corporation, company, partnership, university, and the corporation of the c	fornia,
(Type of Assignee: e.g., corporation, company, partnership, university, e	etc.)
having a principal place of business at 1 Infinite Loop, C	upertino, CA, 95014
("Assignee"), and its successors, assigns, and legal represent the United States and all foreign countries, in and to any and disclosed in the application (provisional or non-provisional) non-provisional application may have a declaration executed concurrently herewith and which application (provisional or	all inventions or improvements that are for the United States patent which for the by the undersigned prior hereto or
IMPLEMENTING CHALLENGES IN SINGLE-	PLAYER GAMES
said patent application also identified as follows (when know	vn):
[I/we hereby authorize an attorney or agent for said A number and filing date of said patent application who	
United States Patent Application Number 13/492,697	filed <u>06/08/2012</u> ,
and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reex applications that have been or shall be filed in the United States	ions, divisional applications, continuation on-in-part applications, substitute aminations, extensions, and all other patent

provisional applications, utility applications, design applications, 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 inventions or 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 inventions or 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 inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

PATENT REEL: 028484 FRAME: 0476

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.

Each Inventor: Please Sign and Date Below:		
June 8 , 20/2 Date	Daniel T. Kurtz	
Juwe 8 , 20 12  Date	Nathan D. Taylor Name:	
, 20	Samir Bajaj Name:	
, 20	Amol Pattekar Name:	
, 20	Liam A. Weiner Name:	
, 20	Christina E. Warren Name:	
, 20	Name:	

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Oakmead Parkway Sunnyvale, CA 94085-4040 (408) 720-8300

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 4860P14769
For good and valuable consideration, the receipt and	
acknowledged, I/we, the undersigned, Daniel T. Kurtz, Nathan C	D. Taylor, Samir Bajaj, Amol Pattekar,
Liam A. Weiner, Christina E. Warren,	
hereby sell, assign, and transfer to Apple Inc.	
a <u>corporation</u> of <u>Cal</u> (Type of Assignee: e.g., corporation, company, partnership, university,	
having a principal place of business at 1 Infinite Loop.	
("Assignee"), and its successors, assigns, and legal represent the United States and all foreign countries, in and to any and disclosed in the application (provisional or non-provisional non-provisional application may have a declaration execute concurrently herewith and which application (provisional or	d all inventions or improvements that are ) for the United States patent which for the d by the undersigned prior hereto or r non-provisional) is entitled
IMPLEMENTING CHALLENGES IN SINGLE	E-PLAYER GAMES
said patent application also identified as follows (when kno	wn):
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application wh	A. A.
United States Patent Application Number 13/492,697	filed_06/08/2012,
and in and to said application (provisional or non-provision provisional applications, utility applications, design applications, continued prosecution applications, continuati applications, renewal applications, reissue applications, rees applications that have been or shall be filed in the United St inventions or improvements; and in and to all original patent certificates, and extensions, that have been or shall be issued countries on said inventions or improvements; and in and to filing of said United States application;	tions, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other patent tates and all foreign countries on any of said its, reissued patents, reexamination d in the United States and all foreign

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

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.

# Each Inventor: Please Sign and Date Below:

	. 20	Daniel T. Kurtz	
Date	-1 4V	Name:	
	, 20	Nathan D. Taylor	
Date		Name:	
6-8- Date	, 2012	Samir Bajaj Samir	) XJZ
Date		Name:	U U
	_, 20	Amol Pattekar	
Date		Name:	
	, 20	Liam A. Weiner	
Date		Name:	
-	, 20	Christina E. Warren	
Date		Name:	
-	, 20		
Date		Name:	

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 4860P14769	
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Daniel T. Kurtz, Nathan D. Taylor, Samir Bajaj, Amol Pattekar,		
Liam A. Weiner, Christina E. Warren,	,	
hereby sell, assign, and transfer to Apple Inc.		
a <u>corporation</u> of <u>Calif</u> (Type of Assignee: e.g., corporation, company, partnership, university, e	fornia ,	
(Type of Assignee: e.g., corporation, company, partnership, university, e	etc.)	
having a principal place of business at <u>1 Infinite Loop, C</u>	upertino, CA, 95014 ,	
("Assignee"), 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 inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled		
IMPLEMENTING CHALLENGES IN SINGLE-	PLAYER GAMES	
said patent application also identified as follows (when known):		
[I/we hereby authorize an attorney or agent for said A number and filing date of said patent application who		
United States Patent Application Number 13/492,697	filed_06/08/2012	
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute		

provisional applications, utility applications, design applications, 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 inventions or 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 inventions or 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 inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

- 1 - Rev. 1/08/2010

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.

# Each Inventor: Please Sign and Date Below:

	, 20	Daniel T. Kurtz
Date	_, 20	Name:
	, 20	Nathan D. Taylor
Date		Name:
	, 20	Samir Bajaj
Date		Name:
JUNE 08	, 20 12	Amol Pattekar Wattikae.
Date	-	Name:
	, 20	Liam A. Weiner
Date		Name:
	, 20	Christina E. Warren
Date		Name:
	, 20	
Date	_,	Name:

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Oakmead Parkway Sunnyvale, CA 94085-4040 (408) 720-8300

- 2 - Rev. 1/08/2010

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 4860P14769	
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Daniel T. Kurtz, Nathan D. Taylor, Samir Bajaj, Amol Pattekar, Liam A. Weiner, Christina E. Warren,		
hereby sell, assign, and transfer to Apple Inc.	,	
a <u>corporation</u> of <u>California</u> , (Type of Assignee: e.g., corporation, company, partnership, university, etc.)		
having a principal place of business at 1 Infinite Loop, Cupertino, CA, 95014,		
("Assignee"), 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 inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled		
IMPLEMENTING CHALLENGES IN SINGLE-	PLAYER GAMES	
said patent application also identified as follows (when know	vn):	
[I/we hereby authorize an attorney or agent for said A number and filing date of said patent application who		
United States Patent Application Number 13/492,697	filed_06/08/2012,	
and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reex	ions, divisional applications, continuation on-in-part applications, substitute	

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or 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 inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

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- 1 - Rev. 1/08/2010

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# Each Inventor: Please Sign and Date Below:

	, 20	Daniel T. Kurtz
Date	_, 20	Name:
	_, 20	Nathan D. Taylor
Date	_, 20	Name:
	, 20	Samir Bajaj
Date	_, 20	Name:
	, 20	Amol Pattekar
Date	_,	Name:
June 8	, 20 <b>12</b>	Liam A. Weiner
Date	_,	Name:
	, 20	Christina E. Warren
Date		Name:
	_, 20	
Date		Name:

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Oakmead Parkway Sunnyvale, CA 94085-4040 (408) 720-8300

ASSI	GNMENT OF PATENT APPLICATION	Attorney Docket No.: 4880P14769
ackr	For good and valuable consideration, the receipt a sowledged, I/we, the undersigned, Daniel T. Kurtz, Nathan A. Weiner, Christina E. Warren,	nd sufficiency of which is hereby
here	by sell, assign, and transfer to Apple Inc.	
a (Typ	corporation of C e of Assignee: e.g., corporation, company, partnership, university	alifornia ty, etc.)
	ng a principal place of business at 1 Infinite Loop	
the disc	ssignee"), and its successors, assigns, and legal represented States and all foreign countries, in and to any a losed in the application (provisional or non-provisional provisional application may have a declaration executarrently herewith and which application (provisional	and all inventions or improvements that are all) for the United States patent which for the ted by the undersigned prior hereto or
	IMPLEMENTING CHALLENGES IN SING	LE-PLAYER GAMES
said	patent application also identified as follows (when kr	nown):
	[I/we hereby authorize an attorney or agent for sai number and filing date of said patent application v	
Unit	ed States Patent Application Number 13,492,697	filed 06/08/2012
prov appl appl appi inve certi	in and to said application (provisional or non-provisional applications, utility applications, design applications, continual ications, continued prosecution applications, continual ications, renewal applications, reissue applications, reications that have been or shall be filed in the United nations or improvements; and in and to all original pat ficates, and extensions, that have been or shall be issurties on said inventions or improvements; and in and g of said United States application;	cations, divisional applications, continuation ation-in-part applications, substitute examinations, extensions, and all other patent States and all foreign countries on any of said ents, reissued patents, reexamination and in the United States and all foreign
Assi purp	agree that said Assignee may apply for and receive rovements in its own name; and that, when requested, gnee, its successors, assigns, and legal representatives lose of this Assignment, the undersigned will execute ications, utility applications, design applications, divi	without charge to, but at the expense of, said s, to carry out in good faith the intent and all provisional applications, non-provisional

applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

- 1 -

continued prosecution applications, continuation-in-part applications, substitute applications, renewal

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.

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Date	***************************************	Name:
	_, 20	Nathan D. Taylor
Date		Name:
	, 20	Samir Bajaj
Date		Name:
·	. 20	Amol Patiekar
Date		Name:
	,20	Liam A. Weiner
Date		Name;
6/8	20 12	Christina E. Warren
Date	8.	Name: Christin & hom
	, 20	
Date		Name:

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300