PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David Biderman	06/05/2009
William May, Jr.	06/05/2009
Alan Tseng	06/05/2009
Roger Pantos	06/05/2009
James David Batson	06/05/2009

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:	12479698

CORRESPONDENCE DATA

Fax Number: (408)720-8383

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4087208300

Email: connie_thayer@bstz.com

Correspondent Name: James C. Scheller

Address Line 1: 1279 Oakmead Parkway

Address Line 4: SUNNYVALE, CALIFORNIA 94085

ATTORNEY DOCKET NUMBER:	04860.P7437US2
NAME OF SUBMITTER:	James C. Scheller, Reg. No. 31,195

Total Attachments: 5

PATENT REEL: 026810 FRAME: 0098 H \$40.00 12479(

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PATENT REEL: 026810 FRAME: 0099

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ASSIGNMENT OF PATENT APPLICATION Attorney Docket No.	: 04860.P7437US2			
For good and valuable consideration, the receipt and sufficiency of which	h is hereby			
acknowledged, I/we, the undersigned, David Biderman, William May, Jr., Ala	an Tseng.			
Roger Pantos and James David Batson	,>			
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	4,			
("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 may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled				
VARIANT STREAMS FOR REAL-TIME OR NEAR REAL-TIME	STREAMING			
said patent application also identified as follows (when known):				
[I/we hereby authorize an attorney or agent for said Assignee to insert be number and filing date of said patent application when known.]	elow the application			
United States Patent Application Number 12/479,698 filed June 5, 2009				
and in and to said application (provisional or non-provisional) and all provisional provisional applications, utility applications, design applications, divisional applications, continued prosecution applications, continuation-in-part application applications, renewal applications, reissue applications, reexaminations, extension patent applications that have been or shall be filed in the United States and all for of said inventions or improvements; and in and to all original patents, reissued patentificates, and extensions, that have been or shall be issued in the United States countries on said inventions or improvements; and in and to all rights of priority filing of said United States application;	ications, continuation ns, substitute ons, and all other oreign countries on any atents, reexamination s and all foreign			
agree that said Assignee may apply for and receive a patent or patents for improvements in its own name; and that, when requested, without charge to, but Assignee, its successors, assigns, and legal representatives, to carry out in good from purpose of this Assignment, the undersigned will execute all provisional applications, utility applications, design applications, divisional applications, corrapplications, continued prosecution applications, continuation-in-part application applications, renewal applications, reissue applications, reexaminations, extension patent applications on any and all said inventions or improvements; execute all rights applications or improvements.	at the expense of, said faith the intent and tions, non-provisional attinuation as, substitute ons, and all other			

04860.P7437US2 - 1 -

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 improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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:

Oate Name: David Biderman

Date Name: William May, Jr.

______, 20______ Date Name: Alan Tseng

Data 20 09 Daniel James David Rates in

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Oakmead Parkway Sunnyvale, CA 94085 (408) 720-8300 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 improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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:

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6/5 ,2069 Luman William May Ir

Date Name: Alan Tseng

Date Name: Roger Pantos

Date Name: James David Batson

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

ASSIGNMENT OF PATENT APPLICATION Attorney Docket No.: 04860.P7437US2	
For good and valuable consideration, the receipt and sufficiency of which is hereby	
acknowledged, I/we, the undersigned, <u>David Biderman, William May, Jr., Alan Tseng,</u>	
Roger Pantos and James David Batson ,	
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 may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled	
VARIANT STREAMS FOR REAL-TIME OR NEAR REAL-TIME STREAMING	
said patent application also identified as follows (when known):	
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]	
United States Patent Application Number 12/479,698 filed June 5, 2009,	
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;	
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,	

04860.P7437US2

PATENT REEL: 026810 FRAME: 0103 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 improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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:
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Date		Name: David Biderman
	. 20	
Date		Name: William May, Jr.
6/5 Date	20 💍 🗓	Name: Alan Tsong
_	20	
Date		Name: Roger Pantos
	20	
Date		Name: James David Batson

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

RECORDED: 08/25/2011