503028062 10/21/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
ALEXANDROS TOURA	PIS		09/29/2014	
DAVID SINGER			09/29/2014	
GUY COTE			10/20/2014	
TIMOTHY J. MILLET			10/17/2014	
RECEIVING PARTY DA	TA			
Name:		IC.		
Street Address:	1 INFINIT	ELOOP		
City:	CUPERT	INO		
State/Country:	CALIFOR	NIA		
Postal Code:	95014-20	84		
PROPERTY NUMBERS	Total: 1		_	
Broparty Type		Number		
Property Type		Number		
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US Patent Application No. 14/503,200 Filed September 30, 2014

P22608US1

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to **Apple Inc.**, a corporation of the state of California, having a principal place of business at 1 Infinite Loop, Cupertino, California, 95014-2084 ("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 and discoveries that are disclosed in the United States Patent Application entitled:

VIDEO ENCODING OPTIMIZATION WITH EXTENDED SPACES

the specification of which is attached hereto unless the following is entered:

	Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
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and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, relssue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries 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, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; 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 and discoveries and the history thereof; and generally assist

said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, 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.

Inventor: Alexandros Tourapis

Inventor Signature Inventor David Singer Inventor Signature

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PATENT REEL: 033995 FRAME: 0659

Inventor: Guy Cote Inventor Signature Date

Inventor: Timothy J. Millet

Inventor Signature	Date	

Assignment Document Return Address: Robert L. Halls KENYON & KENYON LLP

1500 K. St. NW Suite 700 Washington, DC 20005 Telephone: (202) 220-4200 Facsimile: (202) 220-4201

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to **Apple Inc.**, a corporation of the state of California, having a principal place of business at 1 Infinite Loop, Cupertino, California, 95014-2084 ("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 and discoveries that are disclosed in the United States Patent Application entitled:

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September 30, 2014	14/503,200	

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agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries 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, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; 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 and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, 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.

Inventor: Alexandros Tourapis			
Inventor Signature	Date		
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Inventor: David Singer

Inventor Signature	Date

Date

Inventor: Guy Cote	
Inventor Signature	Date
Au (tes	10/20/14

Inventor: Timothy J. Millet

Inventor Signature

Assignment Document Return Address: Robert L. Hails KENYON & KENYON LLP 1500 K. St. NW Suite 700 Washington, DC 20005 Telephone: (202) 220-4200 Facsimile: (202) 220-4201

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Inventor: Alexandros Tourapis			
Inventor Signature	Date		
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Inventor: David Singer

	Inventor Signature	Date
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PATENT REEL: 033995 FRAME: 0663

Inventor: Guy Cote

Inventor Signature Date	
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Inventor: Timothy J. Millet

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