

**PATENT ASSIGNMENT**

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James M. Barton</td> <td>10/15/2009</td> </tr> <tr> <td>Jean Swey Kao</td> <td>01/27/2010</td> </tr> <tr> <td>Ching Tong Chow</td> <td>01/13/2010</td> </tr> <tr> <td>Roderick James McInnis</td> <td>04/07/2010</td> </tr> <tr> <td>Andrew Martin Goodman</td> <td>03/10/2010</td> </tr> <tr> <td>Alan S. Moskowitz</td> <td>12/27/2009</td> </tr> </tbody> </table>		Name	Execution Date	James M. Barton	10/15/2009	Jean Swey Kao	01/27/2010	Ching Tong Chow	01/13/2010	Roderick James McInnis	04/07/2010	Andrew Martin Goodman	03/10/2010	Alan S. Moskowitz	12/27/2009
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Alan S. Moskowitz	12/27/2009														
<b>RECEIVING PARTY DATA</b>															
Name:	TiVo Inc.														
Street Address:	2160 Gold Street														
Internal Address:	P.O. Box 2160														
City:	Alviso														
State/Country:	CALIFORNIA														
Postal Code:	95002-2160														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12783298</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12783298										
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Application Number:	12783298														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	(408)414-1076														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	4084141080														
Email:	dortiz@hptb-law.com														
Correspondent Name:	Hickman Palermo Truong & Becker LLP														
Address Line 1:	2055 Gateway Place														
Address Line 2:	Suite 550														
Address Line 4:	San Jose, CALIFORNIA 95110														
ATTORNEY DOCKET NUMBER:	60097-0648														

OP \$40.00 12783298

**501181261**

**PATENT**  
**REEL: 024410 FRAME: 0739**

NAME OF SUBMITTER:

Desiree Ortiz

**Total Attachments: 7**

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ASSIGNMENT

WHEREAS WE, James M. Barton of Alviso, California, Jean Swey Kao of Cupertino, California, Ching Tong Chow of Los Altos, California, Roderick James McInnis of Milpitas, California, Andrew Martin Goodman of Portola Valley, California, and Alan S. Moskowitz of Oakland, California, have made a certain new and useful invention(s) as set forth in an application for United States Letters Patent, entitled MULTIMEDIA STREAM PROCESSING SYSTEM, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

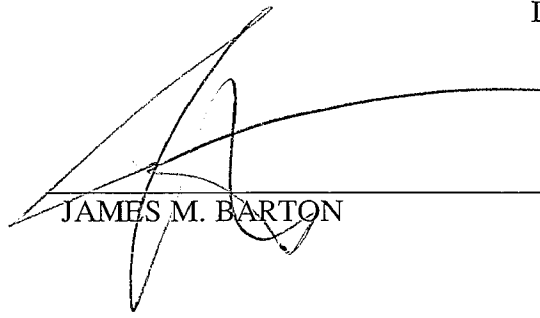
AND WHEREAS, TiVo Inc., a corporation of the State of Delaware and having an address of 2160 Gold Street, P.O. Box 2160, Alviso, California, 95002-2160 is desirous of acquiring the entire right, title and interest in and to said invention(s) and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto TiVo Inc., its legal representatives, successors, and assigns ("Assignee"), the entire right, title and interest in and to said invention(s) as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention(s);

UPON SAID CONSIDERATIONS, we hereby agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention(s), and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for any aforementioned invention(s) to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention(s) covered thereby.

10/15/09  
Date



JAMES M. BARTON

Date

JEAN SWEY KAO

Date

CHING TONG CHOW

Date

RODERICK JAMES MCINNIS

Date

ANDREW MARTIN GOODMAN

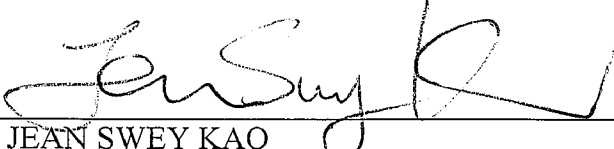
Date

ALAN S. MOSKOWITZ

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Date

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JAMES M. BARTON

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1/27/2010

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CHING TONG CHOW

*4-7-2010*

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Date

*Roderick James McInnis*  
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RODERICK JAMES MCINNIS

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ANDREW MARTIN GOODMAN

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27 Dec 2009

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Date

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ALAN S. MOSKOWITZ