

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Matthew Kaufman</td> <td>09/16/2008</td> </tr> <tr> <td>Michael Thornburgh</td> <td>09/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	Matthew Kaufman	09/16/2008	Michael Thornburgh	09/16/2008
Name	Execution Date						
Matthew Kaufman	09/16/2008						
Michael Thornburgh	09/16/2008						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	Adobe Systems Incorporated						
<b>Street Address:</b>	345 Park Avenue						
<b>City:</b>	San Jose						
<b>State/Country:</b>	CALIFORNIA						
<b>Postal Code:</b>	95110						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12211700</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12211700		
Property Type	Number						
Application Number:	12211700						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(877)769-7945						
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<b>ATTORNEY DOCKET NUMBER:</b>	07844-0974001						
<b>NAME OF SUBMITTER:</b>	Emily Iker						
<b>Total Attachments: 2</b> source=07844_0974001_assignment#page1.tif source=07844_0974001_assignment#page2.tif							

CH \$40.00 12211700

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Matthew Kaufman and Michael Thornburgh hereby sell, assign, and transfer to Adobe Systems Incorporated, a Delaware Corporation, having offices located at 345 Park Avenue, San Jose, California 95110-2704, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

MULTICAST SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS

and which is found in

- (a)  U.S. patent application executed on \_\_\_\_\_, entitled as above, listing the above named persons as Inventors.
- (b)  U.S. patent application filed on September 16, 2008  
 under Application No. 12/211,700  
 with Express Mail No. \_\_\_\_\_ (Application Number not yet known).
- (c)  U.S. Patent No.: issued

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

ASSIGNORS further covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly upon the request of ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may be known and accessible to ASSIGNOR and to testify as to the same in any interference, litigation, or proceeding relating thereto and promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS request the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

Executed this

Signature of Inventor

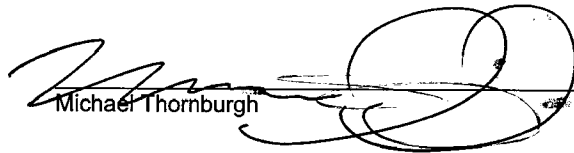
16<sup>th</sup> day of Sept, 2008

  
Matthew Kaufman

Executed this

Signature of Inventor

16<sup>th</sup> day of September, 2008

  
Michael Thornburgh