

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Aura Ganz</td> <td>02/10/1998</td> </tr> <tr> <td>Zvi Ganz</td> <td>02/10/1998</td> </tr> <tr> <td>Ilwhan Kim</td> <td>02/10/1998</td> </tr> </tbody> </table>		Name	Execution Date	Aura Ganz	02/10/1998	Zvi Ganz	02/10/1998	Ilwhan Kim	02/10/1998				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>University of Massachusetts</td> </tr> <tr> <td>Street Address:</td> <td>18 Tremont Street</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 800</td> </tr> <tr> <td>City:</td> <td>Boston</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02108</td> </tr> </table>		Name:	University of Massachusetts	Street Address:	18 Tremont Street	Internal Address:	Suite 800	City:	Boston	State/Country:	MASSACHUSETTS	Postal Code:	02108
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CORRESPONDENCE DATA													
<p>Fax Number: (877)769-7945</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (617) 542-5070</p> <p>Email: lichauco@fr.com</p> <p>Correspondent Name: Faustino A. Lichauco</p> <p>Address Line 1: FISH &amp; RICHARDSON P.C.</p> <p>Address Line 2: P.O.BOX 1022</p> <p>Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>													
ATTORNEY DOCKET NUMBER:	07880-126002												
NAME OF SUBMITTER:	Jennifer Robins												
Total Attachments: 2													

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**PATENT**  
**REEL: 020802 FRAME: 0692**

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# ASSIGNMENT

For valuable consideration, we, Aura Ganz, of Amherst, MA; Zvi Ganz of Amherst, MA; and Ilwhan Kim of Amherst, MA; hereby assign to the University of Massachusetts, a Massachusetts institution having a place of business at 18 Tremont Street, Suite 800, Boston, Massachusetts 02108, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ADAPTIVE MEDIA CONTROL, filed August 14, 1997, and assigned U.S. Serial Number 08/907,812; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at this 10 day of Feb., 1998

Amherst, Mass.  
[Signature] L.S.

Aura Ganz

STATE OF Mass.  
COUNTY OF Franklin :ss.

Before me this 10 day of Feb., 1998, personally appeared

Aura Ganz known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

Martha J. Martin  
Notary Public

My Commission Expires: 08/27/04

[Notary's Seal Here]

PATENT  
REEL: 9021 FRAME: 0845

PATENT  
REEL: 020802 FRAME: 0694

IN WITNESS WHEREOF, I hereto set my hand and seal at Amherst, Mass.  
this 10 day of Feb., 1998

Zvi Ganz Ganz L.S.

STATE OF Mass. :ss.

COUNTY OF Franklin :ss.

Before me this 10 day of Feb., 1998, personally appeared

Zvi Ganz known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Martha J. Martin  
Notary Public

My Commission Expires: 08/27/04

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Amherst, Mass.  
this 10 day of Feb., 1998

Ilwhan Kim Ilwhan Kim L.S.

STATE OF Mass. :ss.

COUNTY OF Franklin :ss.

Before me this 10 day of Feb., 1998, personally appeared

Ilwhan Kim known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Martha J. Martin  
Notary Public

My Commission Expires: 08/27/04

[Notary's Seal Here]

256564.B11

RECORDED: 02/23/1998

PATENT  
REEL: 9021 FRAME: 0846

RECORDED: 04/15/2008

PATENT  
REEL: 020802 FRAME: 0695