U.S. PTO 11/801913

s modified by Blakely, Sokoloff, Ta 05 - 30 - 2	2007 05/11/2007
	t U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Director of the U.S. Patent an	331
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Armin Walter Bruderlin; Francois Chardavoine; Clint Chu Gustav Melich	
Additional name(s) of conveying party(ies) attached?  ☑ No ☐ Yes	Internal Address:
3. Nature of Conveyance:  ☑ Assignment ☐ Merger	Street Address: 1-7-1 Konan, Minato-ku
☐ Security Agreement ☐ Change of Name ☐ Other	City: Tokyo Country: Japan zip: 108-0075
Execution Date: 5/9/2007, 5/9/2007, 5/10/2007, 5/9/2007	Additional name(s)& address(es) attached?   No Yes
Additional numbers at	tached? No Yes
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman LLP	
Internal Address:	7. Total Fee (37 CFR 3.41)\$_40.00  Enclosed  Authorized to be charged to deposit account
City: Los Angeles State: CA ZIP: 90025	8. Deposit Account Number: 02-2666
Phone Number: (714) 557-3800  Fax Number: (714) 557-3347  E-mail Address: eric_king@bstz.com	(Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing is original document.  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**  **To the best of my knowledge and belief, the foregoing is original document.**	is true and correct and any attached copy is a true copy of the
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## Recordation Form Cover Sheet - Page 2

Sony Pictures Entertainment Inc. 10202 W. Washington Blvd. Culver City, CA 90232 United States

Docket No. 80398P237C2X3

Page 2 of 2

PATENT REEL: 019369 FRAME: 0030 Attorney Docket No.: 080398.P237C2X3

## ASSIGNMENT

WHEREAS, I, as a below named inventor, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

HAIR CACHING OPTIMIZATION TECHNIQUES FOR USE IN A HAIR/FUR PIPELINE, for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-ku, Tokyo, 108-0075, Japan and Sony Pictures Entertainment Inc., a Delaware corporation having a principle place of business at 10202 W. Washington Blvd Culver City, CA 90232 (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefore in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEES thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

	And I hereby authorize and request my attorney(s) of record in this application to insert the execution
date.	serial number and filing date of this application in the spaces that follow:

r:, Filing Date:	
r:, Filing Date:	

PATENT REEL: 019369 FRAME: 0031 This assignment is being executed on the date indicated below.

Printed/Typed Name

PATENT REEL: 019369 FRAME: 0032

**RECORDED: 05/11/2007**