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U.S. DEPARTMENT OF COMMERCE

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Patent and Trademar	κι	лпс
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Name and address of receiving party(ies) SONY CORPORATION TOKYO INTERNATIONAL P.O. BOX 5100 TOKYO 100-31, JAPAN and SONY DEUTSCHLAND GmbH Hugo-Eckener-Str. 20, 50829, Köln, Germany
SONY DEUTSCHLAND GmbH Hugo-Eckener-Str. 20,
Additional name(s) & address(es) attached? YesX No
at Reel 14632, Frame 0456 on October 21, 2003 a date of the application is:
Total number of applications and patents involved
Total fee (37 CFR 3.41) X Authorized to be charged to deposit account 50-0329 State of the charged to deposit account 50-0329
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ASSIGNMENT

WHEREAS <u>SONY CORPORATION</u>, a Japanese Corporation having offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo 141, Japan, AND <u>SONY INTERNATIONAL (Europe) GmbH</u>, a German corporation having offices at Hugo-Eckener-Str. 20, 50829 Köln, Germany, are joint owners of the entire right, title and interest in and to the inventions disclosed in the United States Application No. 10/690,292, recorded in the United States Patent and Trademark Office at on October 21, 2003, at Reel 014632, Frame 0456;

NOW, THEREFORE, for good and valuable consideration, receipt sufficiency of which hereby acknowledged, SONY and are INTERNATIONAL (Europe) GmbH (herein known as the "Assignor") hereby assigns and transfers to SONY DEUTSCHLAND GmbH, a German corporation, having offices at Hugo-Eckener-Str. 20, 50829 Köln, Germany, (hereinafter referred to as "Assignee"), its successors and assigns, its entire right, title and interest in and to said invention, and to any and all patents that will issue, and any reexaminations, reissues, continuations, continuation-inparts, divisionals or extensions thereof, in the United States of America, to be held and enjoyed as fully as they would have been by Assignor, had this assignment and transfer not been made, including the right to seek and obtain for Assignee's own benefit, injunctive relief and recovery of damages for any

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past and/or future infringements, including enhanced damages and/or attorneys' fees;

By virtue of this Assignment, Assignor SONY INTERNATIONAL (Europe) GmbH authorizes and requests the Commissioner of Patents and Trademarks to transfer any and all rights Assignor may have to any Letters Patent of the United States for said inventions resulting from the aforementioned application, in the name of SONY DEUTSCHLAND GmbH as assignee, and by such act, the entire right, title and interest in and to the inventions disclosed in the United States Patent Application No. 10/690,292 and any patents that will issue therefrom, will vest jointly in SONY **CORPORATION** and **SONY DEUTSCHLAND GmbH**.

In witness whereof, Assignor SONY INTERNATIONAL (Europe) GmbH has caused this assignment to be executed on the day and year set forth

below.

By:

Nariyasu HAMAHATA

Name

Authorized Representative

SONY INTERNATIONAL (Europe) GmbH

May 24, 2006

Date

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RECORDED: 07/13/2006

PATENT REEL: 018054 FRAME: 0009