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**PATENTS ONLY**

Our Ref.: 723-839

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Howard CHENG</p> <p><i>MMD</i> <i>5.24.00</i></p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Nintendo Technology Development Inc.</u> Internal Address: _____ Street Address: <u>4900 150th Avenue N.E.</u> _____ _____ City: <u>Redmond</u> State/Country: <u>Washington, USA</u> Zip: <u>98052</u></p>				
<p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>April 24, 2000</u></p>		<p>City: <u>Redmond</u> State/Country: <u>Washington, USA</u> Zip: <u>98052</u></p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____</p> <table border="0"><tr><td>A. Patent Application No(s). (1) 09/545,184 (2) (3)</td><td>B. Patent No(s). (1) (2) (3)</td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				A. Patent Application No(s). (1) 09/545,184 (2) (3)	B. Patent No(s). (1) (2) (3)	
A. Patent Application No(s). (1) 09/545,184 (2) (3)	B. Patent No(s). (1) (2) (3)					
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Joseph S. Presta</u> Internal Address: _____ Street Address: <u>Nixon &amp; Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8<sup>th</sup> Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>		<p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our <b>Account No. 14-1140.</b></p>				
<p><b>DO NOT USE THIS SPACE</b></p>						
<p>9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <table border="0"><tr><td><u>Joseph S. Presta</u> Name of Person Signing Reg. No. 35,329</td><td> Signature</td><td><u>May 24, 2000</u> Date</td></tr></table> <p>Total number of pages including <b>original</b> cover sheet, attachments, and document: [3]</p>				<u>Joseph S. Presta</u> Name of Person Signing Reg. No. 35,329	 Signature	<u>May 24, 2000</u> Date
<u>Joseph S. Presta</u> Name of Person Signing Reg. No. 35,329	 Signature	<u>May 24, 2000</u> Date				

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**ASSIGNMENT**

WHEREAS Howard CHENG, (hereinafter ASSIGNORS) of 2005 212th PL NE, Redmond, Washington 98053; respectively, has invented a certain improvement in METHOD AND APPARATUS FOR SOFTWARE MANAGEMENT OF ON-CHIP CACHE for which a so-entitled patent application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on April 7, 2000 under Attorney Docket 723-839 and given Serial No. 09/545,184 ;\*

WHEREAS, Nintendo Technology Development Inc. (hereinafter ASSIGNEE), a corporation of the State of Washington, having an office and place of business at 4900 150th Avenue N.E., Redmond, Washington 98052, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of ASSIGNORS' employment with ASSIGNEE and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said invention in the United States and all foreign countries, as described in the aforesaid application and any regular patent applications to be filed that claim priority therefrom, together with the right of priority 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;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent for said invention to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

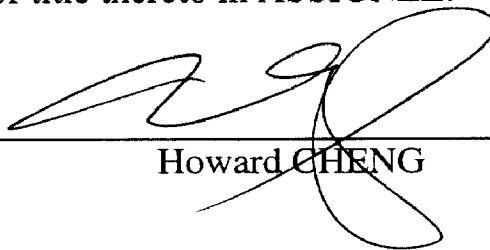
And, ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Agreeing, further upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of regular and foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

4/24/2000

Date



Howard CHENG

\* We hereby authorize and request ASSIGNEE'S attorneys, Nixon & Vanderhye P.C., of 1100 North Glebe Road, 8th Floor, Arlington, Virginia 22201-4714, to insert here the serial number of said application when known.