

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Kenta YASUFUKU	10/22/2010
Shigeaki IWASA	10/22/2010
Yasuhiko KUROSAWA	10/25/2010
Hiroo HAYASHI	10/22/2010
Seiji MAEDA	10/28/2010
Mitsuo SAITO	10/22/2010
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<b>Postal Code:</b>	105-8001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12958298
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<b>ATTORNEY DOCKET NUMBER:</b>	ITSTOSH.002AUS1
<b>NAME OF SUBMITTER:</b>	H. James Abe

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Total Attachments: 2

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### ASSIGNMENT

WHEREAS, We, Kenta YASUFUKU, a Japanese citizen, having an address at Kanagawa, JAPAN, Shigeaki IWASA, a Japanese citizen, having an address at Kanagawa, JAPAN, Yasuhiko KUROSAWA, a Japanese citizen, having an address at Kanagawa, JAPAN, Hiroo HAYASHI, a Japanese citizen, having an address at Kanagawa, JAPAN, Seiji MAEDA, a Japanese citizen, having an address at Kanagawa, JAPAN and Mitsuo SAITO, a Japanese citizen, having an address at Kanagawa, JAPAN have invented certain new and useful improvements in a

VIRTUAL ADDRESS CACHE MEMORY, PROCESSOR AND MULTIPROCESSOR

for which we have filed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, KABUSHIKI KAISHA TOSHIBA. (hereinafter "ASSIGNEE"), a Japanese Corporation, with its principal place of business at 1-1-1, Shibaura, Minato-ku, Tokyo, JAPAN, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: ITSTOSH.002AUS1  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of October, 2010.

Kenta Yasufuku  
Kenta YASUFUKU

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of Oct., 2010.

Shigeaki Iwasa  
Shigeaki IWASA

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25 day of October, 2010.

Yasuhiko Kurosawa  
Yasuhiko KUROSAWA

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of October, 2010.

Hiroo Hayashi  
Hiroo HAYASHI

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of Dec., 2010.

Seiji Maeda  
Seiji MAEDA

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of October, 2010.

Mitsuo Saito  
Mitsuo SAITO

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