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U.S. Department of Commerce Patent and Trademark Office **PATENT**

FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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Conveying Party(ies)	Mark if additional nar	nes of conveying parties attache	Execution Date Month Day Yea
Name (line 1) Jason Seung-Min Kim	5. 1	~99 ~	05 / 68 / 01
Name (line 2)	2584	1100	Execution Date
Second Party			Month Day Yea
Name (line 1)			
Name (line 2)			
Receiving Party	Mark if additional nar	nes of receiving parties attached	
Name (line 1) PortalPlayer, Inc.	44444		If document to be recor
			receiving party is not domiciled in the United
Name (line 2)			States, an appointment of a domestic
Address (line 1) 3255 Scott Boulevard, Buildin	ng 1		representative is attach (Designation must be a
Address (line 0)			separate document fro Assignment.)
Address (line 2)		LLV-YMM 9-1-1-1	
	California State/Country	95054 Zip Code	
Domestic Representative Name and A		or the first Receiving Party only.	
Name (line 1) Gary, Cary, Ware & Freidenri			
Address (line 1) 1755 Embarcadero Road			
Address (line 2) Palo Alto, California 94303-3	340		
Address (line 3)			
Address (line 4)			
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gamering the data to complete the cover Sheet. Send comments regarding this burden estimate to the U.S. Fatent and Trausmark Office, Ones information Officer, reasingting, D.C. 20503. See OMB Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction project (0851-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0551-0027, Patent and Trademark Assignment practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:

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

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	(650) 320-7426
Name Timothy W. Lohse (Reg. No. 3	5,255)	
Address (line 1) 1755 Embarcadero Road		
Address (line 2) Palo Alto, California 94303-33	340	
Address (line 3)		
Address (line 4)		
Pages Enter the total number of pa including any attachments.	ges of the attached conveyance docum	# 5 Pages (25hd)
Application Number(s) or Patent Num Enter either the Patent Application Number or th Patent Application Number(s) [Pe Patent Number (DO NOT ENTER BOTH number (tent Number(s)
Patent Cooperation Treaty (PCT)	PCT PCT	PCT
Enter PCT application number only if a U.S. Application Number	PCT	PCT

Authorization to charge additional fees: Statement 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. Charges to deposit account are authorized, as indicated herein. Timothy W. Lohse (Reg. No. 35,255) Name of Person Signing

Enter the total number of properties involved.

Fee Amount for Properties Listed (37 CFR 3.41):

Enclosed

(Enter for payment by deposit account or if additional fees can be charged to the account.)

X

Deposit Account Number:

has not been assigned

Method of Payment:

Deposit Account

Number of Properties

Fee Amount

07-1896

No

1

Deposit Account

\$ \$40.00

Yes

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Conveying Parties		Execution Date Month Day Year			
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		If document to be recorded is an assignment and the receiving party is not			
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		of a domestic representative is attached. (Designation must be a separate document from			
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		Assignment.)			
City State/Country Zip Cod	8]			
Application Number(s) or Patent Number(s) Mark if additional numbers attached					
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ent Application Number(s) Patent Num	nber(s	"			
	Conveying Parties Conveying Parties	Conveying Parties Conveying Parties Conve			

ASSIGNMENT

WHEREAS, Jason Seung-Min Kim made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled RANDOM NUMBER GENERATION METHOD AND SYSTEM

<u>X</u>	as filed herewith	
_	as filed on	as Serial No.

WHEREAS, PortalPlayer, Inc., a corporation of the State of California, and whose address is 3255 Scott Boulevard, Building 1, Santa Clara, CA 95054 and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

- 1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;
- 4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns

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> PATENT REEL: 011776 FRAME: 0159

which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF:

Jason Seung Min Kim

STATE OF CALIFORNIA

)SS

COUNTY OF SANTA CLARA

On May 155, 200) before me, Loc XVAN TRAN, Notary Public, personally appeared Jason Seung-Min Kim, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

Notary Public

LOC XUAN TRAN
Commission # 1192227
Notary Public - California
Santa Clara County
My Comm. Expires Sep 1, 2002

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RECORDED: 05/02/2001