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Changick Kim William Chen Vasudev Bhaskaran <i>(G. 'Al',</i> 02	Name: Epson Research and Development, Inc. Internal Address: Street Address: 150 River Oaks Parkway, Suite 225
Additional name(s) of conveying party(ies) attached? Yes No	San Jose, California 95134
3. Nature of Conveyance: Assignment	Additional name(s) and addresses attached?
Execution Date: June 19, 2002	
4. Application number(s) or patent number(s):	16994
If this document is being filed together with a new at June 19, 2002	pplication, the execution date of the application is:
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9. Statement and signature. To the best of my knowledge and belief, the foregoing copy of the original document. Michael T. Gabrik	g information is true and correct and any copy is a true Date: June 21, 2002
Designation No. 32.896	1 lawment: 2
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Changick Kim, William Chen and Vasudev Bhaskaran

who have created a certain invention for which an application for United States Letters Patent has been executed by us concurrently herewith and entitled:

HYBRID TECHNIQUE FOR REDUCING BLOCKING AND RINGING ARTIFACTS IN LOW-BIT-RATE CODING

Do hereby sell, assign and transfer to EPSON RESEARCH AND DEVELOPMENT, INC., a corporation of California , having a place of business at 150 River Oaks Parkway, Suite 225, San Jose, California, 95134, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that EPSON RESEARCH AND DEVELOPMENT, INC., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature on the date indicated below.

Date: Ob/19/2-002
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Date: 06/19/2002 Month/Day/Year

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