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1. Name of conveying parties: Viresh Ratnakar Vasudev Bhaskaran Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party: Name: Epson Research and Development, Inc. Internal Address: Street Address: 225 Baypointe Parkway San Jose, CA 95134-1627 Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: February 1, 1999, respectively.			
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: A. Patent Application No(s). 09/226,370 B. Patent No(s). Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Intellectual Property Department Epson Research And Development Inc. 225 Baypointe Parkway San Jose, CA 95134		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account. 8. Deposit Account Number: 19-2746	
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9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any copy is a true copy of the original document.</i> Michael T. Gabriel <u>Michael T. Gabriel</u> Date: February 5, 1999 Registration No. 32,896			
Total number of pages including cover sheet, attachments and document:			2

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ASSIGNMENT

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

who have created a certain invention for which an application for United States Letters Patent has been filed
on January 06, 1999, Serial No. 09/226,370 and entitled

**METHOD AND APPARATUS FOR SHARPENING AN IMAGE BY SCALING ELEMENTS OF A FREQUENCY-DOMAIN
REPRESENTATION**

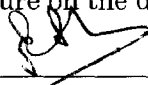
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Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full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

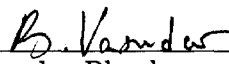
IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature on the date indicated below.

Date: 2/1/99
Month/Day/Year



Viresh Ratnakar

Date: 02/01/99
Month/Day/Year



Vasudev Bhaskaran