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PATENTS ONLY

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

<p>1. Name of conveying party(ies): Deshpande, Sachin</p> <p>Additional name(s) of conveying party(ies) attached? [] Yes [X] No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Sharp Laboratories of America, Inc.</u> Internal Address: _____ Street Address: <u>5750 N.W. Pacific Rim Blvd.</u> City <u>Camas</u> State <u>WA</u> ZIP <u>98607</u> Country <u>U.S.A.</u></p> <p>Additional name(s) & address(es) attached? [] Yes [X] No</p>
<p>3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other _____</p> <p>Execution Date: <u>January 15, 2001</u></p>	

10564 U.S. PTO 09/768844 01/23/01

4. Application number(s) or patent number(s): 09/768844

If this document is being filed together with a new application, the execution date of the application is: January 15, 2001

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Timothy A. Long</u> Address: <u>Chernoff, Vilhauer, McClung & Stenzel, L.L.P.</u> <u>1600 ODS Tower</u> <u>601 S.W. Second Avenue</u> <u>Portland, Oregon 97204-3157</u></p>	<p>6. Total number of applications and patents involved: [1]</p> <p>7. Total fee (37 CFR 3.41 and 1.21(h)) --- \$40.00 [X] Enclosed [] Authorized to be charged to deposit account [] Any deficiencies in enclosed fees authorized to be charged to deposit account</p> <p>8. Deposit Account No. <u>03-1550</u> (Attach duplicate copy of this page if paying by deposit account)</p>
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9. 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.

Timothy A. Long Timothy A. Long 01/23/01
Name of Person Signing Signature Date

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ASSIGNMENT

WHEREAS, I, Sachin Deshpande, residing at 16900 S.E. 26th Dr., #T-131, Vancouver, Washington 98683, have invented a BANDWIDTH ALLOCATION SYSTEM for which on even date herewith I executed an application for United States letters patent;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration paid to me by Sharp Laboratories of America, Inc., a Washington corporation, having an address at 5750 N.W. Pacific Rim Boulevard, Camas, Washington 98607, the receipt whereof is acknowledged, I do hereby assign unto said Sharp Laboratories of America, Inc. the entire interest in said invention for the United States and all foreign countries and any letters patent to be issued therefor in the United States or any foreign country and any divisions, continuations, continuations-in-part, improvements, reissues or extensions that may be made or granted thereon.

AND the Commissioner of Patents and Trademarks is requested to issue such letters patent in accordance herewith. And I agree to execute further instruments proper for effectuating the premises.

Dated this 15th day of January, 2001.

S. G. Deshpande

SACHIN DESHPANDE