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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

102096999

10/14/02 05/10/02

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

1. Name of conveying party(ies): Nabil N. Masri April 9, 2002 Wolf-Dietrich Weber April 9, 2002 Chien-Chun Chou April 9, 2002 Drew Eric Wingard April 9, 2002

2. Name and address of receiving party(ies): Name: Sonics, Inc. Internal Address:

3. Nature of Conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date(s): See above

Street Address: 2440 W. El Camino Real Suite 620 City: Mountain View State/Province: CA Zip: 94040 Country: USA Additional name(s) & address(es) attached? Yes No

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: April 9, 2002 A. Patent Application No.(s) 10/144073 B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Alan E. Heimlich Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Street Address: 12400 Wilshire Blvd., 7th Floor City: Los Angeles State: California Zip: 90025

6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41) \$40.00 Enclosed Authorized to be charged to deposit account 8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document Alan E. Heimlich Signature 5/10/02 Date

Reg. No. 48,808 Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Box Assignments, Commissioner of Patents, Washington, D.C. 20231

Atty Docket No. 02998.P020

05/20/2002 ANNIED1 00000073 10144073 40.00 CP 01 FC:581

PATENT REEL: 012899 FRAME: 0755

ASSIGNMENT

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, **Nabil N. Masri, Wolf-Dietrich Weber, Chien-Chun Chou and Drew Eric Wingard**

hereby sell, assign, and transfer to **Sonics, Inc**
a corporation of Delaware, having a principal place of business at
2440 W. El Camino Real, Suite 620, Mountain View, CA 94040, ("Assignee"),
and its successors, assigns, and legal representatives, the entire right, title, and interest for the
United States and all foreign countries, in and to any and all improvements that are disclosed in
the application for the United States patent that has been executed by the undersigned prior
hereto or concurrently herewith on the dates indicated below and is entitled

Scalable Low Bandwidth Multicast Handling in Mixed Core Systems

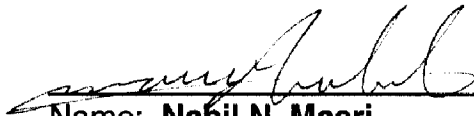
and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

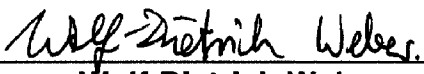
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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

Each Inventor: Please Sign and Date Below:

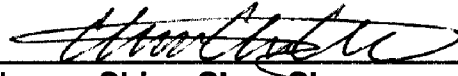
5/9, 2002
Date


Name: **Nabil N. Masri**


5/9/, 2002
Date


Name: **Wolf-Dietrich Weber**

5/9, 2002
Date


Name: **Chien-Chun Chou**

5/9, 2002
Date


Name: **Drew Eric Wingard**

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

5/9, 2002
Date

5/9/, 2002
Date

5/9, 2002
Date

5/9, 2002
Date

State of: _____ }
County of: _____ }

Assignment Document Return Address:
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8598

On this _____ day of _____ 2002, before me, _____,
the undersigned Notary Public, personally appeared _____
[] personally known to me [] proved to me on the basis of satisfactory evidence to be the
person(s) whose name(s) _____ subscribed to the within instrument, and acknowledged
that _____ executed it.
WITNESS my hand and official seal.

Notary's Signature