

Form PTO-1595 (Rev. 10/02) **RECORDATION FORM COVER SHEET** U.S. DEPARTMENT OF COMMERCE
 OMB No. 0651-0027 (exp. 6/30/2005) **PATENTS ONLY** U.S. Patent and Trademark Office
 Tab settings ⇨ ⇨ ⇨

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

1. Name of conveying party(ies):
 Velio Communications, Inc.
 888 Tasman Drive
 Milpitas, California 95035

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other Acquisition of Assets

Execution Date: 12/24/2003

2. Name and address of receiving party(ies)
 Name: Rambus, Inc.
 Internal Address: 4440 El Camino Real
Los Altos, California 94022

Street Address: 4440 El Camino Real

City: Los Altos State: CA Zip: 94022

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: _____
 A. Patent Application No.(s) 09/849,920 B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Hao Y. Tung
 Internal Address: _____
Heller Ehrman White & McAuliffe LLP
275 Middlefield Rd., Menlo Park, CA 94025

Street Address: 275 Middlefield Rd.

City: Menlo Park State: CA Zip: 94025


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:
08-1641 (docket no. 07119-0009)

DO NOT USE THIS SPACE

9. Signature.
Hao Y. Tung
 Name of Person Signing


 Signature

DEC. 29, 2003
 Date

Total number of pages including cover sheet, attachments, and documents: 3

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

CH \$40.00 081641 09849920

CORPORATE TO CORPORATE ASSIGNMENT

Docket Number 7119-0009

Whereas, Velio Communications, Inc., having a place of business at 888 Tasman Drive, Milpitas, California 95035, (hereinafter termed "Assignor"), is desirous of conveying to Assignee (defined below) the entire right, title and interest that Assignor has to all embodiments of the inventions described in the patents, patent applications, and disclosures listed in the attached Exhibit A (hereinafter "Said Inventions,");

WHEREAS, Rambus Inc., a corporation, having a place of business at 4440 El Camino Real, Los Altos, California 94022, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest that Assignor has to Said Inventions including but not limited to any and all patents, patent applications, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignor to have been received in full from said Assignee under the Asset Purchase Agreement entered into as of December 11, 2003, by and between Assignor and Assignee:

1. Said Assignor does hereby sell, assign, transfer and convey unto said Assignee its entire right, title and interest (a) in and to Said Inventions; (b) in and to all rights to apply for foreign patents on Said Inventions pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on Said Inventions in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; (d) in and to each and every reissue or extensions of any of said patents; and (e) in and to all rights otherwise related to Said Inventions including the rights to the obligations of the inventors of Said Inventions.

2. Said Assignor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee, to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the Assignor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by the parties (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering Said Inventions; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving Said Inventions; and (f) for legal proceedings involving Said Inventions and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon the Assignor, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, said Assignor has executed and delivered this instrument to said Assignee as of the date written below.

ASSIGNOR NAME: VELIO COMMUNICATIONS, INC.

Date: DEC. 24, 2003

By: Michael Ostedal
Print: Michael Ostedal
Title: COO

Exhibit A

	Granted	Grant Date	Patent No.	Docket No.
1	Combined phase comparator and charge pump circuit	14-Aug-2001	6,275,072	2789.1001-000
2	Low-power low-jitter variable delay timing circuit	13-Nov-2001	6,316,987	2789.2002-001
3	Low-power, low-jitter variable delay timing circuit	5-Nov-2002	6,476,656	2789.2002-002
4	Phase controlled oscillator	9-Sep-2003	6,617,936	2789.2012-001

	Filed	Filing Date	Serial No.	Docket No.
1	Combined phase comparator and charge pump circuit	4-May-2001	09/849,920	2789.1001-001
2	Clock multiplying delay-locked loop for data communications	25-Apr-2000	09/557,640	2789.2001-001
3	Data communications circuit with multi-stage multiplexing	25-Apr-2000	09/557,564	2789.2003-000
4	Data communications circuit with multi-stage multiplexing	28-Oct-2003	10/695,069	2789.2003-001
5	Transition-time control in a high-speed data transmitter	25-Apr-2000	09/557,164	2789.2004-001
6	Digital clock recovery circuit	21-Jun-2002	10/178,902	2789.2019-001
7	A technique for phase offset cancellation in multi-phase clock generator circuits	22-Jan-2003	60/441,911	2789.2029-000
8	Phase Controlled Oscillator	29-Jul-2003	10/615,819	2789.2012-002
	Disclosures	To be Filed By	Appl. Type	Docket No.
1	A technique for phase offset cancellation in multi-phase clock generator circuits	22-January-2004	Utility	2789.2029-001

PATENT

RECORDED: 12/29/2003

REEL: 014222 FRAME: 0024