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1. Name of conveying party(les):	2. Name and address of receiving party(les)
Hongbo YANG (03/28/2007), Xiaocang LIN	Name: The MathWorks, Inc.
(04/02/2007), and Haihua FENG (03/29/2007)	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address:
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Execution Date(s): in parentheses after inventor name	3 Apple Hill Drive
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4. Application or patent number(s):  A. Patent Application No.(s)  11/652,955	This document is being filed together with a new application.  B. Patent No.(s)
Additional numbers attached?	
<ol> <li>Name and address to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved:
Name: Kevin J. Canning LAHIVE & COCKFIELD, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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Signature	Date
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Kevin J. Canning - 35,470  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

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Dated: April 6, 2007

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Dated: April 6, 2007

Şignature:

**PATENT** REEL: 019132 FRAME: 0511

## ASSIGNMENT BY INVENTORS

WE, Hongbo YANG; Xiaocang LIN; and Haihua FENG, of Natick, Massachusetts; Wayland, Massachusetts; and Wayland, Massachusetts, respectively, in consideration of One Dollar and other valuable consideration paid to us by

The MathWorks, Inc.

a Corporation of Delaware, having its principal place of business at 3 Apple Hill Drive, Natick, Massachusetts 01760, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

The MathWorks, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

SIZE VECTOR SHARING IN CODE GENERATED FOR VARIABLE-SIZED SIGNALS

described in an application
Executed by us of even date herewith and about to be filed
or
x Application No. 11/652,955, filed on January 11, 2007
This application claims the benefit of the following provisional application(s):
x Provisional Application No. 60/611627, filed on September 20, 2004

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said Corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

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PATENT REEL: 019132 FRAME: 0512

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

Mar 28, 2007 Date:

United States of America

State of County of

On this

day of Mar

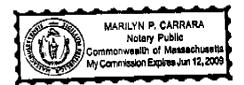
the undersigned notary public, personally appeared

(name of document signer), proved to me through satisfactory evidence of identification,

which was MA June / Lease, to be the person whose name is signed on the preceding or attached document in my presence.

(official signature and seal of notary)

My commission expires



Xiaocang Lin

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State of
County of

On this

day of

(name of document signer), proved to me through satisfactory evidence of identification,
which was
is signed on the preceding or attached document in my presence.



My commission expires

Haihua Feng

Date: 3/29/2007

United States of America

State of 
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On this 29 day of 1007 before me, the the undersigned notary public, personally appeared 1007 before me, the (name of document signer), proved to me through satisfactory evidence of identification, which was 100 cm signer on the person whose name is signed on the preceding or attached document in my presence.

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MARILYN P. CARRARA
Notary Public
Commonwealth of Massachusetts
My Commission Expires Jun 12, 2009

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ı				4 14 1	; } ▼ - <b>Z</b>	<b>#</b> , } <b>-#</b> }-#.	

DATE:

April 6, 2007

PTO IDENTIFIER:

Application Number 11/652,955-Conf. #5231

Patent Number

Inventor:

Hongbo YANG et al.

MESSAGE TO:

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FROM:

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PHONE:

(617) 227-7400

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MWS-162CP

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Assignment (5 pages)

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PATENT REEL: 019132 FRAME: 0517 PTO/SB/97 (09-04)
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