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Substitute Form PTO-1595
 Attorney Docket No.: 01997-277001
 Client's Ref. No.: MIT 86495

APR - 2001

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying parties: Miguel Castro and Barbara Liskov Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party: MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 Massachusetts Avenue Cambridge, Massachusetts 02142-1324 Additional names/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: 03/22/2001, 12/19/2000	MRD 4.5.01
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: 09/717,755 B. Patent No(s).: Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: ERIC L. PRAHL Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div> J. Robin Rohlicek Reg. No. 43,349 Name of Person Signing </div> <div> Signature </div> <div> 4/3/01 Date </div> </div>	
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

April 3, 2001
 Date of Deposit

Signature

Matthew G. Doherty
 Typed Name of Person Signing Certificate

PATENT
REEL: 011689 FRAME: 0005

ASSIGNMENT

For valuable consideration, we, MIGUEL CASTRO of 60 Wadsworth Street, #27D,
Cambridge, MA 02142, and BARBARA LISKOV of 111 Lincoln Street, Waltham, MA 02451,
hereby assign to: MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a Massachusetts
corporation having a place of business at: 77 Massachusetts Avenue, Cambridge, Massachusetts
02142-1324, United States of America; and its successors and assigns (collectively hereinafter
called "the Assignee"), the entire right, title and interest throughout the world in the inventions
and improvements which are subject of an application for United States Patent signed by us,
entitled BYZANTINE FAULT TOLERANCE, filed November 21, 2000, and assigned U.S.
Serial Number 09/717,755, and we authorize and request the attorneys appointed in said
application to hereafter complete this assignment by inserting above the filing date and serial
number of said application when known; this assignment including said application, any and all
United States and foreign patents, utility models, and design registrations granted for any of said
inventions or improvements, and the right to claim priority based on the filing date of said
application under the International Convention for the Protection of Industrial Property, the
Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like
purposes; and we authorize the Assignee to apply in all countries in our name or in its own name
for patents, utility models, design registrations and like rights of exclusion and for inventors'
certificates for said inventions and improvements; and we agree for ourselves and our respective
heirs, legal representatives and assigns, without further compensation to perform such lawful acts
and to sign such further applications, assignments, Preliminary Statements and other lawful
documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE, U.K.

this 22 day of MARCH, 2001

Miguel Cam Thomas de Castro L.S.
MIGUEL CASTRO

State of _____ :

: ss.

County of _____ :

Before me this _____ day of _____, 20_____, personally
appeared MIGUEL CASTRO known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge Ma,
this 19 day of December, 2000
Barbara Liskov L.S.
BARBARA LISKOV

State of Massachusetts :
: ss.
County of Middlesex :

Before me this 19 day of December, 2000, personally
appeared BARBARA LISKOV known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as ^{her} ~~his~~ free act and deed for
the purposes therein contained.

Maria T. Sensale
Notary Public

My Commission Expires:

[Notary's Seal Here]

Maria T. Sensale, Notary Public
My Commission Expires March 15, 2002

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