Docket No.: MEW1889 07-27-2001 FORM PTO-1595 (Modified) ΞΤ U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02 101790062 Tab settings → → To the Honorable Commissioner of Paterus and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Oleg A. Popov Jagannathan Ravi Name: Matsushita Electric Works **Robert Chandler** Address: R & D Laboratory Edward K. Shapiro 216 West Cummings Park 3. Nature of conveyance: Assignment Merger City: Woburn ☐ Change of Name \_\_\_\_\_ State/Prov.: MA ☐ Security Agreement ZIP: 01801 Country: United States □ Other Execution Date: Additional name(s) & address(es) attached? ☐ Yes **⊠** No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date B. Patent No.(s) 7/20/2001 HLE333 00000014 09907210 1 FC:581 40.00 DP Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Owen J. Meegan 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 19,643 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: 24 North Street Authorized to be charged to deposit account 8. Deposit account number: City: Salem State/Prov.: MA 13-2551 ZIP: 01970 Country: United States DO NOT USE THIS SPACE 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.

Name of Person Signing

Owen J. Meegan

REEL: 012000 FRAME: 0326

/ Date

Signature

Total number of pages including cover sheet, attachments, and docume

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)			Docket No. MEW1889
This is an A	ssignment of the following rights, title	and interest: (check all that apply):	
×	☐ United States of America rights, title and interest in the invention		
	United States Patent Application Serial No.		
	Date of Execution:	Date of Filing:	
	United States Provisional Patent Application Serial No.		
	United States Patent No(s).		
	International (PCT) Patent Application Serial No.		
	Other (specify)		
Title of the 1	Invention		
nventors (a:	ssignors)		
	Name	Address	
Oleg A. Po	pov	259 Rosemary Street, Needham, MA 0249	94
Jagannathan Ravi		236 Davis Road, Bedford, MA 01730	
Robert Chandler		53 Taft Avenue, Lexington, MA 02173	
Edward K. Shapiro		11 Marshall Road, Lexington, MA 02173	
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Assignee			
Name		Address	
Matsushita R & D Labo	Electric Works pratory	216 West Cummings Center Woburn, MA 01801	
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AS03A/REV01

## Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. **MEW1889** 

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date		
Oleg A. Popov	Majur 6. 15. 01		
Jagannathan Ravi	J. lov 6 15 2001		
Robert Chandler	# 6. Charles 6.15-2001		
Edward K. Shapiro	- Ala/M 06-15-2001		
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**PATENT** 

RECORDED: 07/16/2001 REEL: 012000 FRAME: 0328