5-16-01

Expires 06/30/99 DMB 0651-0027

05-24-2001



Docket No. 740819-555

U.S. Department of Commerce

Patent and Trademark Office

PATENT



101730738 ALCADATION FORM COVER SHEET **PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Ple		iment(s) or copy(ies).		
Submission Type Conveyance Type				
⊠ New	■ Assignment	ty Agreement		
Resubmission (Non-Recordation)	☐ License ☐ Chang	e of Name		
Document ID #	J			
Correction of PTO Error Reel # Frame #	☐ Merger ☐ Other U.S. Gover (For Use ONLY by U.S. G			
☐ Corrective Document	(FOR USE ONLY by U.S. C	overnment Agencies)		
Corrective Document Reel # Frame #	☐ Departmental File	☐ Secret File		
Conveying Party(ies)	lark if additional names of conveyin			
Name (line 1) Keita TAKAHASHI		Effective Date Month Day Year May 10, 2001		
Name (line 2)				
Second Party Name (line 1)		Effective Date Month Day Year		
Name (line 2)				
Receiving Party	lark if additional names of receiving	parties attached		
Name (line 1) Matsushita Electric Industrial Co., Ltd.		If document to be recorded is an assignment and the receiving party is not		
Name (line 2)		domiciled in the United States, an appointment of a domestic representative		
Address (line 1) 1006, Oaza Kadoma, Kadoma-shi		should be attached. (Designation must be a		
Address (line 2)		separate document from Assignment.)		
	571-8501	7		
Address (line 3) Osaka Japan	ate/Country Zip Code			
City	Enter for the first Receiving Party of	nly.		
Domestic Representative Maine and Mount				
Name				
Address (line 1)				
Address (line 2)				
Address (line 3)		P- 107 107 107 107		
Address (line 4)				
	OFFICE USE ONLY	©		
		(· · · ·		

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (06510-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Budget, Paperwork Reduction Project (06510-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Budget, Paperwork Reduction Project (06510-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Documents and Package 10510-0027, Patent and Package 10510-0027, Packag

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patent and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

REEL: 011817 FRAME: 0387

ORM PTO-1619B ixpires 06/30/99 OMB 0651-0027	Docket No. 740819-555 Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT			
Correspondent Name and Address	Area Code and Telephone Number	(703) 790-9110			
Name NIXON PEABOD	NIXON PEABODY LLP				
Address (line 1) 8180 Greensboro	Drive, Suite 800				
Address (line 2) McLean, Virginia	22102				
Address (line 3)		·			
Address (line 4)					
Pages Enter the total ni including any att	umber of pages of the attached conveyance achments.	# 4			
Application Number(s)					
Patent Application Numb	per(s)	Patent Number(s)			
If this document is being filed together with a <u>new Patent Application</u> , enter the date the patent application was signed by the first named executing inventor. Month Date Year May 10, 2001					
Patent Cooperation Treaty (PCT)					
Enter PCT application number only if a U.S. Application Number	PCT PCT	PCT			
has not been assigned.	PCT PCT	PCT			
Number of Properties Enter the total number of properties involved. # 1					
Fee Amount Fee A	mount for Properties Listed (37 CFR 3.41)	s 40.00			
Method of Payment:	Enclosed 🗵 Deposit Account 🗖				
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)					
	Deposit Account Number: Authorization to charge additional fe				
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. Charges to deposit account are authorized, as					

Signature

PATENT REEL: 011817 FRAME: 0388

May 16, 2001 **Date**

indicated herein.

Eric J. Robinson

Name of Person Signing

MO1-6 54/200

Attorney Docket No	
--------------------	--

ASSIGNMENT

	WHE	REAS, Keita TAKAHASHI	
		ssignated as the undersigned) has (have) invented certain new and useful improvements ATILE SEMICONDUCTOR MEMORY DEVICE	
	·	for which the undersigned has (have):	
	(a)	filed an application for Letters Patent of the United States of America on	
		having Serial No. ; or	
	(b)	executed an application for Letters Patent of the United States of America on the	
		date(s) indicated below; and	
	WHEI	REAS, Matsushita Electric Industrial Co., Ltd. of	
<u>1006, (</u>	<u>Daza K</u>	Kadoma, Kadoma-shi, Osaka 571-8501, Japan	
desirou	is of ac	essors, legal representatives and assigns (hereinafter designated as the Assignee) is equiring the entire right, title and interest in and to said invention and in and to any	
Letters Patent(s) that may be granted therefor in the United States of America;			

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

PATENT REEL: 011817 FRAME: 0389 The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby convenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date:	May 10, 2001,	keita Takahashi
Date:	,	Keita TAKAHASHI
Date:	,	
Date:	,	
Date:		
Date:	,	
Date: _	,	
Date:		

RECORDED: 05/16/2001

PATENT REEL: 011817 FRAME: 0390