IN THE UNITE



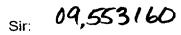
RK OFFICE

ney Docket No. 5077-000019

4-19-00

COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)

Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231





Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) Name Of Party Conveying The Interest:

Osamu Watanabe Koji Matsuo Kenji Tomita Isaku Kanno Eiichiro Tanaka

(2) Name And Address Of Party Receiving The Interest:

Matsushita Electric Industrial Co., Ltd. 1006, Oaza Kadoma, Kadoma-shi Osaka 571-8501 JAPAN

(3) Description Of The Transaction To Be Recorded:

	[X] Assignment [] Change of Name	[] License [] Other			
(4)	Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:				
	[] Serial Number	, filed			
	[] Application being filed concurrently herewith.				

(5) Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:

Gregory A. Stobbs Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, MI 48303

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PATENT REEL: 010737 FRAME: 0989

(6)	Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:				
	Number of Applications/Patents:one (1)				
	Total Recordal Fee Enclosed: \$40.00				
(7)	Date(s) The Document Was Executed: April 17, 2000				
To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.					
If, for some reason, Applicants have not paid a sufficient fee, please charge our Deposit Account No. 08-0750 for any further fees which may be due. A duplicate copy of this document is enclosed.					
	Respectfully submitted,				
	By: Gregory A. Stobbs Reg. No. 28,764 Attorney for Applicants				
Date: Opr	19,2000				

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ASSIGNMENT

WHEREAS, Osamu WATANABE, Koji MATSUO, Kenji TOMITA, Isaku KANNO,

	designated as the undersigned) has (have) invented certain new and useful ts in INK JET HEAD AND METHOD FOR THE MANUFACTURE 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
WHE	REAS, Matsushita Electric Industrial Co., Ltd. of
	Kadoma, Kadoma-shi, Osaka 571-8501, Japan
is desirous of	cessors, legal representatives and assigns (hereinafter designated as the Assignee) facquiring the entire right, title and interest in and to said invention and in and to atent(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.

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.

PATENT REEL: 010737 FRAME: 0991 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 or 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:	April 17, 2000	Osamu Watanake
25000		Osamu WATANABE
Date:	april 17, 2000	Koji Matsuo- Koji MATSUO
Date:	april 17, 2000	
		Kenji TOMITA
Date:	April 17, 2000	Isaku tanno
		Isaku KANNO
Date:	april 17, 2000	Eichiro Janaka
		Eiichiro TANAKA
Dote		
Date.		
Date:		
Date:		

RECORDED: 04/19/2000

PATENT REEL: 010737 FRAME: 0992