	•	3	•	4.	05	
FORM PTO-1595 (modified)						

09-20-2005

REC(

10/526894 EM POTUPTO 0 4 MAR 2005

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Assistant Secretary and Commissioner of Patent thereof.	84601 Please record the attached original document			
Name of conveying party(ies):	Name and address of receiving party(ies):			
Osamu OKUDA; Kazuo KIDO; and Hideki UCHIDA	Name: <u>Matsushita Electric Industrial Co., Ltd.</u>			
Additional name(s) of conveying party(ies) attached? No	Street Address: 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan			
Nature of conveyance:      X     Assignment	Additional name(s) & address(es) attached? <u>No</u>			
<ul><li>16, 2004</li><li>4. Application number(s) or patent number(s):</li></ul>				
If this document is being filed together with a new application, the 14 and December 16, 2004  A. Patent Application No.(s)	B. Patent No.(s) , issued			
Additional numbers				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: <u>WENDEROTH, LIND &amp; PONACK, L.L.P.</u> <u>Attn: Michael S. Huppert , Esq.</u>	7. Total fee (37 CFR 3.41) \$ 40.00  X Enclosed (Check No. 4999)			
Street Address: 2033 K Street, N.W., Suite 800	Authorized to be charged to deposit account			
City: Washington, State: DC ZIP: 20006-1021	Deposit account number: 23-0975      (Attach duplicate copy of this page if paying by deposit account)			
DO NOT USE T				
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is document.  Michael S. Huppert , Reg. No. 40,268  Michael S. Huppert , Reg. No. 40,268	true and correct and any attached copy is a true copy of the original  March 4, 2005			
Name of Person Signing Signature	Date			
OMB No. 0651-0011 (exp. 4/94)	Total number of pages including cover sheet: 3			
Do not detach	this portion			
Mail documents to be recorded with required cover sheet information:				
Commissioner and Assistant Secre Box Assign Washington, D	nments			
Public burden reporting for this sample cover sheet is estimated to avera reviewing the document and gathering the data needed, and completing burden estimate to the U.S. Patent and Trademark Office, Office of Informanagement and Budget, Paperwork Reduction Project (0651-0011), WITHE COMMISSIONER IS AUTHORIZED	and reviewing the sample cover sheet. Send comments regarding the rmation Systems, PK2-1000C, Washington, D.C. 20231, and the Off			

FEES FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975

ATTACHMENT "E"

PATENT REEL: 016980 FRAME: 0312

## ASSIGNMENT

	paid to each of the undersigned
	Osamu OKUDA,
nsert Name(s)	Kazuo KIDO, and
f Inventor(s)	Hideki UCHIDA
	·
	the undersigned hereby sell(s) and assign(s) to
nsert Name(s) f Assignee(s)	Matsushita Electric Industrial Co., Ltd.
ddress	of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan
	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as
	COMPONENT PLACING HEAD AND ORIGIN DETECTION METHOD
itle of nvention	OF COMPONENT PLACING HEAD
ate of Signing	for which an application for patent in the United States has been executed by the undersigned on
f Application	December 7, December 16, and December 14, 2004.

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 continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

PATENT REEL: 016980 FRAME: 0313 The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 7, Dec, 2004	_, Name of Inventor	Osamu Okuda
Date 16. Dec. 2004	, Name of Inventor	Bazuo Kido
Date 14 Dec. 2004	, Name of Inventor	Kazuo KIDO  Jideki Uchida  Hideki UCHIDA
		r
Date	_, Name of Invento	r
Date	_, Name of Invento	r
Date	, Name of Inver	tor
tion by the Inventor(s) should be Witness	witnessed by at leas	. Hormoro
Witness	Joseph	a Germagnehi
	}	SS, before me
		, Delote me
to me personally known as the in	dividual(s) who execu	ated the foregoing assignment, who did acknowledge to me see will for the purposes therein set forth.
CPAI		Official Signature
SEAL		Official Title
The above application	may be more particu	larly identified as follows:
U.S. Application Serial No		Filing DateMarch 4, 2005
		Atty Docket No. 2005-0263A
Title of Invention COMPONE	NT PLACING H	EAD AND ORIGIN DETECTION METHOD
OF COMP	ONENT PLACING	G HEAD

**RECORDED: 03/04/2005** 

PATENT REEL: 016980 FRAME: 0314