505294963 01/24/2019

# PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

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Property Type	Number
Application Number:	16160017

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DATE SIGNED:	01/24/2019			

# **Total Attachments: 3**

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To the Honorable Assistant Secretary and Comor copy(ies) thereof.	102286	6164	ise record the a	attached original document(s)
1. Name of conveying party(ies):	3/02	ſ	ddress of receiv	ing party(ies):
Mineo TSUSHIMA; Takeshi NORMATSU Kosuke NISHIO and Naoya TANAKA	);/	Name: <u>Mat</u> s	sushita Electric I	Industrial Co., Ltd.
·		Street Addre	ess: 1006, Oaza	Kadoma, Kadoma-shi,
Additional name(s) of conveying party(ies) attached?	<u>No</u>		<u>Osaka 571-</u>	-8501, Japan
3. Nature of conveyance:  X Assignment Merg Security Agreement Char Other Execution Date: November 6, 2002	jer ige of Name	Additional name(s)	& address(es) attac	0/292702 0/292702 1/13/02
4. Application number(s) or patent number(	s):			<u> </u>
If this document is being filed together wit 2002	h a new application	n, the execution	date of the appl	lication is: November 6,
A. Patent Application No.(s)		B. Patent No.(s , issued	s)	
	Additional numbers	s attached? No		
<ol><li>Name and address of party to whom cor concerning document should be mailed:</li></ol>	respondence	6. Total numbe	r of applications	s and patents involved: 1
Name: <u>WENDEROTH, LIND &amp; PONACK,</u> <u>Attn: Michael S. Huppert , Esq.</u>	L.L.P.		7 CFR 3.41)	
Street Address: <u>2033 K Street, N.W., S</u>	<u>uite 800</u>	X Enclosed Authoriz		d to deposit account
City: <u>Washington</u> , State: <u>DC</u> ZIP: <u>2000</u>	<u>)6-1021</u>		ount number: 2	3-0975  if paying by deposit account)
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# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and

	valuable consideration paid to each of the undersigned  Mineo TSUSHIMA, Takeshi NORIMATSU, Kosuke NISHIO and Naoya TANAKA
Insert Name(s) of Inventor(s)	
Insert Name(s)	the undersigned hereby sell(s) and assign(s) to
of Assignee(s)	Matsushita Electric Industrial Co., Ltd.
Address	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
Title of Invention	ENCODING DEVICE AND DECODING DEVICE
Date of Signing of Application	for which an application for patent in the United States has been executed by the undersigned
or rippiication	on

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.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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, execuname(s).	ited by the und	ersigned on	the date(s) o	pposite the unders	igned
Date November 6, 2002	,Name of the	Inventor _	mines	Tanshima	
Date November 6, 2002	,Name of the	Inventor _	Vakoshi	Cherimate	4
Date November 6, 2002	,Name of the	Inventor _	Kasulu	Nishio	
Date November 6, 2003	,Name of the	Inventor _	Zange	Tanota.	
Date	,Name of the	Inventor _			
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U.S. Application Serial No.		F	iling Date $\frac{N_0}{N_0}$	ovember 13, 200	2
Applicant Reference Number	FP02029		Atty Docket N	No. 2002-1476A	
Title of Invention					