BOX ASSIGNMENTS	04-04	-2000	DO NOT USE I	FOR TRADEMARKS			
		244					
TO THE ASSISTANT COMMISSI SIR: PLEASE RECORD THE AT	TACHED (10130	6334	OF.				
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):							
1. Akira FUJII		2. Takumi KATAOKA		or 📻			
3. Eturo YASUDA		4. Hitoshi SHINDO 6.		2 E			
5. 7		8.		s. 114			
7. 8. ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO							
2. PARTY(IES) (ASSIGNEE(S)) F				jc			
NAME: DENSO CORPORATION							
ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? TYES NO							
ADDITIONAL NAME(S) & ADDR	ESS(ES) ATTACHED? YES	⊠NO	01/33/1	70			
3. NATURE OF CONVEYANCE	(DOCUMENT):			-1:			
(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one							
document) SASSIGNMENT OF WHOLE PART INTEREST EXEC. DATE: 1)March 3, 2000; 2), 3), and							
ORIGINAL	FACSIMILE/PHOTOCOPY		th 8, 2000	00, 2), 0), and			
CHANGE OF NAME	VERIFIED TRANSLATION	,,,,,	0, =000				
SECURITY	MERGER OTHER:						
EXECUTION DATE(S) ON THE I	DECLARATION IF FILED HERE	WITH: (NOTE: IF DAT	ES ON DECLARATION	N AND			
ASSIGNMENT DIFFER SEE AT							
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐YES ☒NO							
				89 . 89 . 89.89			
A. PAT. APP. NO.(S) M# series code/serial no	1# INVENTOR if not in item 1	B. PATENT NO(S)	YES ⊠NO	1st INVENTOR If not in Item 1			
A. PAT. APP. NO.(S) M# series code/serial no New Application 258044	1* INVENTOR if not in item 1	B. PATENT NO(S)		SERVICE CONTROL OF THE SERVICE OF TH			
A. PAT. APP. NO.(S) M# series code/serial no	1st INVENTOR if not in Item 1 Whom Correspondence	B. PATENT NO(S)	VED:	SERVICE CONTROL OF THE SERVICE OF TH			
A PAT. APP. NO.(S) M# series code/serial no New Application 258044 5. Name & Address of Party to V	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOL APPLNS 1 + PA	VED:	ff not in Item 1			
A. PAT. APP. NO.(S) series code/serial no New Application 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOL APPLNS 1 + PA	VED: IS 0 = TOTAL ENCLOSED: (Code 5	ff not in Item 1			
A. PAT. APP. NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE	VED: IS 0 = TOTAL ENCLOSED: (Code 5	ff not in Item 1			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE	VED: IS 0 = TOTAL ENCLOSED: (Code 5	ff not in Item 1			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington DC 20005-3918311	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X	WED: IS 0 = TOTAL EENCLOSED: (Code 5 \$40 = \$40	1 181)			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS I	VED: IS 0 = TOTAL ENCLOSED: (Code 5	If not in Item 1 1 81)			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington DC 20005-3918311 5.5ATTY DKT:	1* INVENTOR if not in Item 1 4 Whom Correspondence d be Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO	VED: IS 0 = TOTAL EENCLOSED: (Code 5 \$40 = \$40	If not in Item 1 1 81)			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918311 5.5ATTY DKT: FC:581	1st INVENTOR if not in item 1 4 Whom Correspondence the Mailed:	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO	WED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N	If not in Item 1 1 81) ATE CHARGE NUMBER: 03-3975			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918311 5.5ATTY DKT: FC:561 PMS 258044	1st INVENTOR if not in Item 1 Whom Correspondence the Mailed: 10.00 0P U3-0005-YK	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388	1 81) ATE CHARGE NUMBER: 03-3975 258044			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918311 5.5ATTY DKT: FC:561 PMS 258044 MATTER NO.	1st INVENTOR if not in item 1 A Whom Correspondence the Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388	1 81) ATE CHARGE NUMBER: 03-3975 258044			
A PAT APP NO (S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005 3918311 5.5 ATTY DKT: FC:561 PMS 258044 MATTER NO.	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IST INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO.	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO (S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005 3918311 5.5ATTY DKT: FC:581 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge	1st INVENTOR if not in item 1 A Whom Correspondence the Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IST INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO.	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO (S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005 3918311 5.5 ATTY DKT: FC:561 PMS 258044 MATTER NO.	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	B. PATENT NO(S) 6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required tion is true and correct	VED: IS 0 = TOTAL EENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO.	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO (S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005 3918311 5.5ATTY DKT: FC:581 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IST INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO. and any attached copy ages including this	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO (S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005 3918311 5.5ATTY DKT: FC:581 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required 10. Total number of p	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO. and any attached copy ages including this ents and document	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington DC 20005-3918311 5.5ATTY DKT: FC:581 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge the original document. Signature	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required 10. Total number of p cover sheet, attachmen	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO. and any attached copy ages including this ents and document	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington DC 20005-3918311 5.5 ATTY DKT: FC:501 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge the original document. Signature Attorney: Glenn J. Perry	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required tion is true and correct 10. Total number of p cover sheet, attachme (do not file dup. Cove	VED: IS 0 = TOTAL ENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO. and any attached copy ages including this ents and document r sheet)	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			
A PAT APP NO.(S) series code/serial no New Application 258044 5. Name & Address of Party to V Concerning Document Should Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington DC 20005-3918311 5.5ATTY DKT: FC:561 PMS 258044 MATTER NO. 9. STATEMENT AND SIGNATU To the best of my knowledge the original document. Signature	1st INVENTOR if not in Item 1 Whom Correspondence be Mailed: U3-0005-YK CLIENT REF.	6. NUMBER INVOLAPPLNS 1 + PA 7. AMOUNT OF FEE ABOVE TOTAL X 8. IF ABOVE FEE IS INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required 10. Total number of p cover sheet, attachmen	VED: IS 0 = TOTAL EENCLOSED: (Code 5) \$40 = \$40 MISSING OR INADEQUAD DEPOSIT ACCOUNT N 60388 CLIENT NO. and any attached copy ages including this ents and document r sheet)	1 (81) ATE CHARGE NUMBER: 03-3975 258044 MATTER NO.			

FILE WITH PTO RETURN RECEIPT (PAT-103A)

r lease return signed/recorded to:

Pillsbury Madison & Sutro LLP rinspury Madison & Sutro LLP Intellectual Property Group Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application Atty. Dkt.

258044 <u>-0005-YK</u>

-							
	N	O	NPR	OVISION	IAI.		

ASSIGNMENT

NONPROVISIONAL

OF NONPROVISIONAL APPLICATION In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit: Hitoshi SHINDO Akira FUJII (4)INSERT NAME(S) OF INVENTOR(S) (5)Takumi KATAOKA [] x box if continued on page 2 **Eturo YASUDA** the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto: **DENSO CORPORATION** INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES) of 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as TITLE OF INVENTION PIEZOELECTRIC TRANSFORMER HAVING IMPROVED MECHANICAL PROPERTIES for which the undersigned executed an application for Letters Patent of the United States of America: NOTE - -(Complete line A, B and/or C) even date herewith (B) on March 3 and 8, 2000 filed (C) in U.S. Appln. No. AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred. NOTE -- The undersigned hereby authorize(s) Pillsbury Madison & Sutro, Intellectual Property Group, of the above address to insert hereon any further identification necessary or desirable for recordation of this document. INVENTOR(S) DATE SIGNED <u>WITNESSES</u> march 3 2000 Name: Akira Fuiii 2) Name: Takumi Kataoka Name: Eturo Yasuda 2000 Name: Hitoshi Shindo 5) Name:

and continue on page 2.

PAT-114 11/97 REEL: 010646 FRAME: 0275

PATENT

RECORDED: 03/17/2000

IF ADDITIONAL INVENTORS, check box