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1. NAME OF CONVEYING PART	TY(IES) (ASSIGNORAIS)):	La HIGAGIA	IDOK!				
1. MAKOTO SHIRAI 3. MASAYUKI KOBAYASHI	(t)	2. HISAO KU 4. HIROKAZ					
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ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) 69 TACHED? ☐YES ☐NO							
2. PARTY(IES) (ASSIGNEE(S))	DECEIVING INTEDECT:	1-1501					
NAME: DENSO CORPORATION	I	•					
TO WILL BEAGG GOAL GLOCKIES	•						
ADDRESS: 1-1, Showa-cho, Kar	iya-city, Aichi-pref. 448-0029 .	lapan					
ADDITIONAL NAME(S) & ADDR	ESS(ES) ATTACHED? TYP	S ⊠NO					
3. NATURE OF CONVEYANCE	(DOCUMENT):						
(Submit herewith only one do	cument for recordation—multip	ole copies of sam	ne Assignme	ent signed by differe	nt inventors is one		
document)			EVEC D	TE 1 1 40 4000			
⊠ASSIGNMENT OF □ORIGINAL			EXEC. DA	ATE : July 19, 1999			
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SECURITY MERGER	OTHER:						
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Attorney: Kenneth M. Fagin Reg. No. 37,615		Date: _Ju	ine 20, 2001	5.0500			
Reg. No. 37,615 Atty/Sec: KMF/emg TEL: (703) 905-2066 FILE WITH PTO RETURE			AX: (703) 90	15-2500			
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2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:	TO! [TIE2 [SINO			
NAME: DENSO CORPORATION				
ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 JAF		783 53	9	
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES 3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith only one document for recordation—multiple			,	
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL S A. PAT. APP. NO.(S) M# 1st INVENTOR	SHEET(S) attached? [B. PATENT NO(S)	YES ⊠NO	1st INVENTOR	
series code/serial no if not in item 1		. •••••	if not in item 1	
Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:	6. NUMBER INVOL APPLNS <u>1</u> + PA	VED: IS <u>0</u> = TOTAL	1	
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<u>| U3-9908-YK</u> Client Ref.

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ASSIGNMENT

NONPROVISIONAL

NEEDT	(1) Makoto SHIRAI	(4) Hirokazu YAMADA				
INSERT NAME(S) OF INVENTOR(S)	(2) Hisao KUROKI	(5)				
ETTETTOR(3)	(3) Masayuki KOBAYASHI	[] x box if continued on page 2				
the receipt and s assign(s) and tra		ed by the undersigned who at the request of, hereby sell(s	\$),			
	DENSO CORPORATION					
INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	of 1-1, Showa-cho, Kariya-city, Aichi-p	ef. 448-0029 Japan				
(hereinafter desi 100, in the inven resulting patents	tion and all applications including any and	nd interest for the United States of America as defined in 3 all divisions, continuations, substitutes, and reissues therec	35 U.S.C. of; and all			
TITLE OF INVENTION	GAS SENSOR W	TH CERAMIC HEATER				
NOTE (Complete line A. B and/or C) Trademarks to it	(A) X even date herewith (B) X on July 19, 1999 (C) in U.S. Appln. No. /	filed s) and request(s) the United States Commissioner of Pater NEE, for its interest as ASSIGNEE, its successors, assigns tromey of record in said application shall hereinafter act on the successors.	ints and			
legals represent said ASSIGNEE assigns and leg	atives; the undersigned agree(s) t AND the undersigned hereby agree(s) t al representatives, deemed essential by A y transferred.	o testify and execute any papers for ASSIGNEE, its success SSIGNEE to ASSIGNEE'S full protection and title in and to all shury Madison & Sutro, Intellectual Property Group, of the yor desirable for recordation of this document.	ssors, the			
2,,	INVENTORIS)	July 19 1999 WITNESSES &				
Name: Mako 2) Mako Name: Hisao 3) Mako Mako	to Shirai	July 19.1999 Abimasa Mare July 19.1999 Abimasa Mare	<u>-</u>			
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