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To the Honorable Assistant Secretary an document(s) or copy(les) thereof.	, illimitation		s: Please record the attached original	
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Makoto UMEDA		Name: Safety Co., Ltd.	19/23 1/19	
Additional name(s) of conveying party(ies) attached? No		Street Address: 31-17 Noda 2-chome, Kuramo		
3. Nature of conveyance:		shi, Kumamoto, Japan		
X Assignment Merg Security Agreement Char Other	nge of Name	.dditional name(s) & address(es) attached?	<u>No</u>	
Execution Date: December 7, 1998				
4. Application number(s) or patent number	(s): 1923	3/169		
If this document is being filed together with a ne	w application, the executi	on date of the application is: December 7,	1998	
A Patent Application No.(s)		3. Patent No.(s)		
	l Additional numbers at	tached? <u>No</u>		
<ol><li>Name and address of party to whom co- concerning document should be mailed:</li></ol>	rrespondence 6	<ul> <li>Total number of applications and One</li> </ul>	patents involved:	
Name: <u>WENDEROTH, LIND &amp; PONACK</u> Attn: <u>Jeffrey Nolton, Esq.</u>	<u>, L.L.P.</u> 7	7. Total fee (37 C.F.R. § 3.41)	\$ <u>40.00</u>	
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Jeffrey Nolton, Reg. No. 25,408		January 19, 19	<del>)99</del>	
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PATENT REEL: 9732 FRAME: 0071



	eration paid to each of the undersigned
nsert Name(s) Finvantor(s)	Makoto UMED \
r FRV#RFOF(\$)	
	and
	en versen som en eller en eller
	the undersigned hereby sell(s) and assign(s) to
nsert Name f Assigned	Safety Co., Itd
ddress	of 31-17 Noda 2-chome, Kuramoto-shi, Kumamoto, Japan
	(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 USC 100, in the invention known as
itle of ivention	gas generating apparatus for emergency refuge implements
	for which an application for patent in the United States of America has been executed by the undersigned
ate of Signing Application	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 assignment 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 reissurthere of 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 (a) and request (s) the Commissioner of Patents to issue any ard 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 covenances 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: 9732 FRAME: 0072

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 Rule 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 December 5, 198 Name of Inventor MAKOTO UMEDA Dat Date Name of Inventor Date Name of Inventor Name of Inventor Dat: \_\_\_\_\_, Name of Inventor \_\_\_\_ ...... , Name of Inventor (This assignment should preferably be acknowledged before a United States Consul. If not, ther the execution by the Inventor ( should be witnessed by at least two witnesses who sign here) - 2 C 71 C' Witness mistra - Belsholyses and ACKNOWLEDGMENT This \_ . \_ \_ day of personally came the above-named to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth. Official Signature SEA. Officia "itle The above application may be more particularly identified as follow U. S. Application Ser al No. 

> PATENT REEL: 9732 FRAME: 0073

...., Atty, Docket No. .....

**RECORDED: 01/19/1999** 

Applicant Reference Number

Title of Invention