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FICE

Case Docket No. ITOH-043-020 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office RECORDATION FORM COVER SHEET PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. Name of conveying parties: Shinichi TAKEMURA, Hideyuki OHNO, Tomohiro NAKANISHI, Yutaka ARAI and Mikio SHIMA Additional name(s) of conveying party(ies) attached? Yes ____ No XX 2. Name and address of receiving party: Name: NIPPON OIL CO., LTD., NIPPON STEEL CORPORATION, NIPPON STEEL CHEMICAL CO., LTD. and NIPPON GRAPHITE FIBER CORPORATION Internal Address: Street Address: 3-12, Nishi-shimbashi 1-chome Minato-ku, Tokyo, Japan; 6-3, Ohtemachi 2-chome Chiyoda-ku, Tokyo, Japan; 31-1, Shinkawa 2-chome, Chuoh-ku, Tokyo, Japan and 5-1, Nishishinjuku 3-chome, Shinjuku-ku, Tokyo, Japan; respectively Additional name(s) & address(es) attached? Yes _ No XX 3. Nature of conveyance: ___ Merger XX Assignment __ Change of Name _ Security Agreement ___ Other: __ Execution Date: July 10, July 12, July 12, July 19, July 12, 1999; respectively 4. Title: TAPERED HOLLOW SHAFT 5. Application number(s) or patent number(s): 09/07/1999 BOLEVAND 00000001 09346645t is being filed together with a new application, the execution date of the application is: July 10, July 12, July 12, July 19, July 12, 1999; respectively A. Patent Application No.(s) B. Patent No.(s) 09/ Additional numbers attached? Yes ____ No XX

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Case Docket No. <u>ITOH-043-020</u> U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
RECORDATION FORM COVER SHEET PATENTS ONLY
6. Name and address of party to whom correspondence concerning document should be mailed:
Name: KUBOVCIK & KUBOVCIK The Farragut Building Suite 710 900 17th Street, N.W. Washington, D.C. 20006
7. Total number of applications and patents involved:
8. Total fee (37 CFR 3.41)
XX Enclosed
Authorized to be charged to Deposit Account
9. Deposit Account No.: <u>111833</u>
10. In the event any additional fees are required, please charge our Deposit Account No.: <u>111833</u> .
11. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Keiko Tanaka KubovcikAugust 27, 1999Name of Person SigningSignatureDate
<u>40,428</u> Registration Number
Total number of pages, including cover sheet, attachments, and document:
Atty. Docket No. <u>ITOH-043-020</u>

Docket No.

	U.S. ASSIGNM	IENT	
(Insert ASSIGNEE's Name(s) Address(es))	consideration paid to the undersigne (1) NIPPON OIL CO., LTD. 1 Minato-ku, Tokyo, JAPA (2) NIPPON STEEL CORPORATI Chiyoda-ku, Tokyo, JAPA (3) NIPPON STEEL CHEMICAL Chuoh-ku, Tokyo, JAPA (4) NIPPON GRAPHITE FIBER 3-chome, Shinjuku-ku, (hereinaster ASSIGNEE), the receivable of the control of	ON located at 6-3, Ohtemach, in; CO., LTD. located at 31-1, in; and CORPORATION located at 5-1 Tokyo, JAPAN eipt of which is hereby acknowled transfers to ASSIGNEE the entire a	A) by bashi 1-chome hi 2-chome Shinkawa 2-chome , Nishi-shinjuku lged, the undersigned
(Title of Invention)	TAPERED HOLLOW SHAFT		
(*If the assignment is being filed after the filing of the application, this section must be completed)	for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below: *filed on, Serial No		
	litigation, or other legal proceeding continuation, divisional, reissue or re thereon and to cooperate with the A evidence and proceeding with such i	te all papers necessary in connection which may be declared concerning examination thereof or Letters Patent ASSIGNEE in every way possible in onterference, litigation, or other legal pundersigned inventor(s) has (have)	this application or any or reissue patent issued btaining and producing proceeding. affixed his/her/their
(Signatures)	Ahrnichi Takemura (SIGNATURE)	Shinichi TAKEMURA (TYPE NAME)	July 10, 1999 (DATE)
	(SIGNATURE)	Hideyuki OHNO (TYPE NAME) Tomohiro NAKANISHI	(DATE)
	(SIGNATURE)	(TYPE NAME) Yutaka ARAI	(DATE)
	(SIGNATURE)	(TYPE NAME)	(DATE)
	(SIGNATURE)	Mikio SHIMA (TYPE NAME)	(DATE)

NO LEGALIZATION REQUIRED

Rev. 1/97

Docket No. ____

(Insert ASSIGNEE's Name(s) Address(es))	IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by (1) NIPPON OIL CO., LTD. located at 3-12, Nishi-shimbashi 1-chome Minato-ku, Tokyo, JAPAN; (2) NIPPON STEEL CORPORATION located at 6-3, Ohtemachi 2-chome Chiyoda-ku, Tokyo, JAPAN; (3) NIPPON STEEL CHEMICAL CO., LTD. located at 31-1, Shinkawa 2-chom Chuoh-ku, Tokyo, JAPAN; and (4) NIPPON GRAPHITE FIBER CORPORATION located at 5-1, Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo, JAPAN			
		ceipt of which is hereby acknowle nd transfers to ASSIGNEE the entire d		
(Title of Invention)	TAPERED HOLLOW SHAFT			
(*If the assignment is being filed after the filing of the application, this	unless otherwise indicated below:	tent of the United States was executed	•	
section must be completed)	'filed on, Serial No (Kubovcik & Kubovcik is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)			
	and all Letters Patent of the United States to be obtained thereof on said application or any continuation, divisional, substitute, reissue or reexamination application thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.			
	The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.			
	IN WITNESS WHEREOF, the signature(s).	e undersigned inventor(s) has (have	e) affixed his/her/their	
(Signatures)		Shinichi TAKEMURA_		
(orginatures)	(SIGNATURE)	(TYPE NAME)	(DATE)	
	Mela 1. OV.	Hideyuki OHNO	12/07/1999	
	(SIGNATURE)	(TYPE NAME)	(DATE)	
	,	Tomohiro NAKANISHI		
	(SIGNATURE)	(TYPE NAME)	(DATE)	
	(SIGNATORL)	,	,	
	(010) (1015)	Yutaka ARAI (TYPE NAME)	(DATE)	
	(SIGNATURE)	,	1 ~ / 1000	
	Miking Sliver	Mikio SHIMA	/d/0//1777 (DATE)	
	-(SIGNATURE)	(TYPE NAME)	(DAIL)	
	NO LEGALIZATION REOUIRE	ED.		

U.S. ASSIGNMENT

Rev. 1/97

Docket No.

(Insert ASSIGNEE's Name(s) Address(es))	(1) NIPPON OIL CO., LTD Minato-ku, Tokyo, J. (2) NIPPON STEEL CORPOR. Chiyoda-ku, Tokyo, J. (3) NIPPON STEEL CHEMIC. Chuoh-ku, Tokyo, J. (4) NIPPON GRAPHITE FIBITATION OF THE STEEL CHEMIC. (hereinafter ASSIGNEE), the	ATION located at 6-3, Ohtema APAN; AL CO., LTD. located at 31-1 PAN; and ER CORPORATION located at 5- 1, Tokyo, JAPAN receipt of which is hereby acknowled and transfers to ASSIGNEE the entire	order of the undersigned	
(Title of Invention)	TAPERED HOLLOW SHAFT			
(*If the assignment is being filed after the filing of the application, this section must be completed)	unless otherwise indicated below:	Patent of the United States was executed, , Serial No. authorized to insert the series code, seri	•	
	and all Letters Patent of the United States to be obtained thereof on said application or any continuation, divisional, substitute, reissue or reexamination application thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient. The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).			
(Signatures)		Shinichi TAKEMURA		
	(SIGNATURE)	(TYPE NAME)	(DATE)	
		Hideyuki OHNO		
	(SIGNATURE)	(TYPE NAME)	(DATE)	
	Jomohno Nakanishi (SIGNATURE)	Tomohiro NAKANISHI	July 12, 1999	
	(SIGNATURE)	(TYPE NAME)	(DATE)	
		Yutaka ARAI		
	(SIGNATURE)	(TYPE NAME)	(DATE)	
		Mikio SHIMA		
	(SIGNATURE)	(TYPE NAME)	(DATE)	
	NO LEGALIZATION REQUIRE	ED		

U.S. ASSIGNMENT

Docket No. _____

(Insert ASSIGNEE's Name(s) Address(es))	consideration paid to the undersig (1) NIPPON OIL CO., LTD. Minato-ku, Tokyo, JA (2) NIPPON STEEL CORPORA Chiyoda-ku, Tokyo, JA (3) NIPPON STEEL CHEMICA Chuoh-ku, Tokyo, JAF (4) NIPPON GRAPHITE FIBE 3-chome, Shinjuku-ku (hereinaster ASSIGNEE), the re-	TION located at 6-3, Ohtemac PAN; L CO., LTD. located at 31-1, PAN; and R CORPORATION located at 5-1, Tokyo, JAPAN eccipt of which is hereby acknowled and transfers to ASSIGNEE the entire a	R) by bashi 1-chome hi 2-chome Shinkawa 2-chome , Nishi-shinjuku
(Title of Invention)	TAPERED HOLLOW SHAFT		
(*If the assignment is being filed after the filing of the application, this section must be completed)	unless otherwise indicated below:	atent of the United States was executed, Serial No uthorized to insert the series code, seria	
	and all Letters Patent of the United States to be obtained thereof on said application or any continuation, divisional, substitute, reissue or reexamination application thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient. The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.		
	IN WITNESS WHEREOF, the signature(s).	ne undersigned inventor(s) has (have)	affixed his/her/their
(Signatures)		Shinichi TAKEMURA	(D. 1 MC)
	(SIGNATURE)	(TYPE NAME)	(DATE)
		Hideyuki OHNO	(0.475)
	(SIGNATURE)	(TYPE NAME)	(DATE)
		Tomohiro NAKANISHI	
	(SIGNATURE)	(TYPE NAME)	(DATE)
	Thataka Bair	Yutaka ARAI	19/07/1999
	(SIGNATURE)	(TYPE NAME)	(DATE)
		Mikio SHIMA	
	(SIGNATURE)	(TYPE NAME)	(DATE)
	NO LEGALIZATION REQUIR	ED	

U.S. ASSIGNMENT

Rev. 1/97