FORM PTO-1595	10-08-	1998	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
1-31-92			raient and 1130emark Office	
Tab settings 0 0 0 To the Honorable Commissioner of Pat	10084		original documents or copy thereof.	
1. Name of conveying party(ies):	100041			
Ralph D. Moretz		Name: TMJ	Prophistics J. L.C.	
		Internal Addre	ss: OPR/FINANCE	
Additional name(s) of conveying party(ies)	ittached? yes X no		OPR/FINANCE	
3. Nature of Conveyance:		•		
X Assignment	Merger	Street Address: 2427 Research Drive		
Security Agreement Change of Name		P.O. Box 4010		
Other		City Jackson State Michigan ZIF 49204		
Execution Date:July 29			(s) & address(es) attached? Yes No	
4. Application number(s) or patent num	nber(s): MRD	9,28.9	8	
If this document is being filed togeth	er with a new application,	the execution da	te of the application is:	
A. Patent Application No.(s)		B. Patent No.(s	s)	
09/133,	967			
		_		
	Additional numbers	 	Yes X No	
5. Name and address of party to whom concerning document should be mai		6. Total numbe	er of applications and patents involved: 1	
Name: Duncan F. Bea				
Internal Address: Harris Buil		7 Total fee (37	CFR 3.41):\$ 40.00	
Internal Address. Idd 1115 But 1	aring, baree 700	Enclos		
			ized to be changed to deposit account	
Street Address: 180 West Mic	higan Avenue			
Toolsoon	MT 40201	8. Deposit acc		
City: Jackson State: MI ZIP 49201 (Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature.				
•	ief the foregoing informa	tion is true and c	orrect and any attached copy is a true copy	
of the original document.	Service Control of the Control of th	1		
Duncan F. Beaman Name of Person Signing Signature Signature Date				
Name of Person Signing		_	including ther of pages comprising cover sheet: 2	
		attach	ments and document	
OMB No. 0651-0011 (exp. 4/94)				
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document to be recorded, in	cluding time for reviewin	g the document a	average about 30 minutes per and gathering the data needed.	
and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate				
D.C. 20231, and to the Offic Washington, D.C. 20503	e of Management and Bud	get, Paperwork R	eduction Project 10651-0011).	
Transmignor, D.C. 20203		····	REEL: 9489 FRAME: 0643	

ASSIGNMENT

Whereas, I, Ralph D. Moretz, of 3612 Whispering Woods Drive, Jackson 49201, County of Jackson, and State of Michigan, have invented a certain improvement in POLYMERIC CHAIN GUIDE for which I am about to make application for letters patent of the United States; and

Whereas, TMJ Properties, L.L.C., a Michigan limited liability corporation, hereinafter referred to as assignee, of 2427 Research Drive, P.O. Box 4010, Jackson 49204-4010, County of Jackson, and State of Michigan, is desirous of acquiring the full and exclusive right in and to said invention and in and to the letters patent to be obtained therefor;

NOW, THEREFORE, in consideration of the sum of one dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, I, Ralph D. Moretz, by these presents do sell, assign, and transfer unto said assignee, the full and exclusive right, for the territory of the United States of America and for all foreign countries, in and to the said invention, as described in the specification executed by me on even date herewith preparatory to obtaining letters patent of the United States therefor, the application therefor bearing Serial No. 09/133,967

and filing date August 14, 1998 (authority being hereby given to my patent counsel to insert in this assignment said serial number and filing date); said invention, application, and letters patent to be held and enjoyed by the said assignee for its own use and behoof, and for its successors or assigns, to the full end of the term for which said letters patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I covenant and warrant that at the time of execution of this assignment, I own the full and exclusive right in and to the said invention and the letters patent issuing therefrom; that such full and exclusive right is unencumbered; that no licenses are outstanding; that no agreement exists and that I will not enter into any agreement in conflict with this assignment; and that I am free to assign the full and exclusive right in and to said invention, and

Furthermore, I covenant and agree, in view of the heretofore stated consideration, to execute and deliver to said assignee, its successors or assigns, upon request, any and all papers and to perform any other lawful acts said assignee, its successors or assigns deem necessary for the prosecution of the aforesaid application or in order to accord said assignee, its successors or assigns, the greatest possible measure of patent protection in regard to the rights herein granted, including those necessary for divisional, continuing, substitute, reissue or foreign applications, or for supplemental, substitute, or other oaths.

In witness whereof, I have hereunto of July, 1998. In presence of:	set my hand and seal on this 34 th day Ralph D. Moretz
STATE OF MICHIGAN)) ss. COUNTY OF JACKSON)	
On this 29th day of July Public in and for said County, personally the person named in and who executed the he executed the same freely and for the i	appeared Ralph D. Moretz, known to me to be foregoing instrument, and acknowledged that
	Merry & Vériaco (Notary Public)
SEAL	My commission expires <u>October 21, 2000</u>

PATENT
RECORDED: 09/28/1998 REEL: 9489 FRAME: 0644