

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3240557

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LYLE E. KIRMAN	02/25/2015
RECEIVING PARTY DATA		
Name:	TANGENT COMPANY LLC	
Street Address:	10175 QUEENS WAY	
Internal Address:	UNIT 1	
City:	CHAGRIN FALLS	
State/Country:	OHIO	
Postal Code:	44023	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14421045
CORRESPONDENCE DATA		
Fax Number:	(216)579-6073	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	216-579-1700	
Email:	rkoll@pearne.com	
Correspondent Name:	PEARNE & GORDON LLP	
Address Line 1:	1801 EAST 9TH STREET	
Address Line 2:	SUITE 1200	
Address Line 4:	CLEVELAND, OHIO 44114-3108	
NAME OF SUBMITTER:	RICHARD A. SHARPE	
SIGNATURE:	/Richard A. Sharpe/	
DATE SIGNED:	02/25/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2		
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source=TANG-48740US3_dec_assignment#page2.tif		

**DECLARATION AND ASSIGNMENT
FOR US UTILITY OR DESIGN PATENT APPLICATION**

Attorney Docket No.: TANG-48740US3

As a below-named inventor, I hereby declare that:

this declaration is directed to the application entitled:

HARDNESS REDUCTION APPARATUS AND METHOD
(TITLE)

(check only one item below)

☐ attached hereto,

OR

☒ filed on 2015-02-11 as United States Application Number or PCT International
Application Number 14/421,045.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the
above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable
under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, new and useful improvements have been made by the undersigned as
described in the above-identified application.

WHEREAS, Tangent Company LLC, having a place of business at 10175 Queens
Way, Unit 1, Chagrin Falls, Ohio 44023, hereinafter referred to as "assignee", is desirous of
acquiring all right, title, and interest throughout the world in, to, and under said improve-
ments and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and
sufficiency of which are hereby acknowledged, all right, title, and interest, in the United
States and throughout the world, in, to and under said improvements and inventions and all
patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and
therein, including without limitation said application for patent in the United States, all
divisions and continuations thereof, all patents which may be granted thereon, all reissues and
extensions thereof, all right to sue for past infringement thereunder, all patents which may be
granted for said improvements and inventions by states or nations other than the United

States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

Legal Name of Inventor: Lyle E. Kirman

Signature of Inventor: _____

Date: 2/25/2015

Witness: _____

Witness: _____

☐ Signatures of additional inventors on attached sheet(s)

Notice to Inventor(s): A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

Notice to Inventor(s): A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.