

05-22-1998

PATENT
Attorney Docket No.: MIT-02570

Form PTO-1595



100719301
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Douglas P. Hart Mary C. Boyce Hugo A. Ayala</p> <p>Additional name(s) of conveying party(ies) attached? No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, Massachusetts 02139-4307</p> <p>Additional name(s) & address(es) attached? No</p>		
<p>3. Nature of conveyance:</p> <p>Assignment</p> <p>Execution Date: 02/19/98; 04/30/98</p>			
<p>4. Title of Invention: Textured Seal For Reduced Wear</p> <p>Application number(s) or patent number(s):</p> <table border="0"> <tr> <td data-bbox="162 913 820 1018"> <p>A. Patent Application No.(s):</p> <p>08/806,266</p> </td> <td data-bbox="820 913 1485 1018"> <p>B. Patent No.(s):</p> </td> </tr> </table> <p>Additional numbers attached? No</p>		<p>A. Patent Application No.(s):</p> <p>08/806,266</p>	<p>B. Patent No.(s):</p>
<p>A. Patent Application No.(s):</p> <p>08/806,266</p>	<p>B. Patent No.(s):</p>		
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Pankaj M. Khosla MEDLEN & CARROLL, LLP 220 Montgomery Street, Suite 2200 San Francisco, California 94104</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee(s): Check(s) in the amount of \$1615.00 is enclosed(to cover \$65.00 for filing missing parts, \$40.00 recordation fee and \$1510.00 for filing a four month extension of time).</p> <p>8. Deposit Account Authorization:</p> <p>The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.</p>		

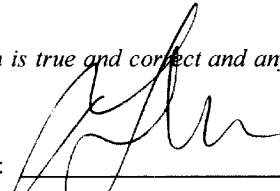
05/19/1998 TSTOKES 00000048 081290 08806266
05 FC:581 40.00 CH

DO NOT USE THIS SPACE

9. 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.

Date: May 11, 1998

Signature: 

Name: Peter G. Carroll

Reg. No.: 32,837

Total number of pages including cover sheet, attachments, and document: 4

REEL: 9177 FRAME: 0717

ASSIGNMENT

WHEREAS, WE, Douglas P. Hart, Mary C. Boyce, Hugo A. Ayala and Ocsar C. Yeh, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Textured Seal For Reduced Wear**

Filing Date: 02/24/97 Serial No.: 08/806,266

WHEREAS, Massachusetts Institute of Technology, a Massachusetts corporation, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139-4307, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

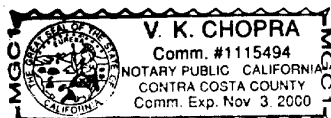
Oscar C. Yeh

Oscar C. Yeh

STATE OF CALIFORNIA)
COUNTY OF ALAMEDA) ss.

On this 19th day of FEBRUARY, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

V. K. Chopra
NOTARY PUBLIC



SEAL

ASSIGNMENT

WHEREAS, WE, Douglas P. Hart, Mary C. Boyce and Hugo M. Ayala, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Textured Seal For Reduced Wear**

Filing Date: 02/24/97 Serial No.: 08/806,266

WHEREAS, Massachusetts Institute of Technology, a Massachusetts corporation, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139-4307, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

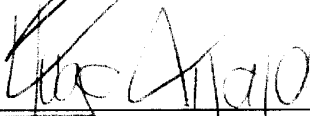
IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.



Douglas P. Hart



Mary C. Boyce



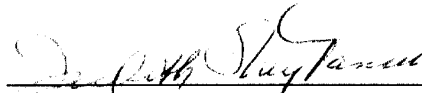
Hugo M. Ayala

STATE OF Mass)

COUNTY OF Worcester)

ss.

On this 30 day of April, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.



NOTARY PUBLIC

PATENT