

08-10-2005

Case No.: 60811US002

RECO



103059089

To: The Director of the U.S. Patent and Trademark Office:

Please record the attached document(s) or the new address(es) below.

1. Name of conveying party(ies) Richard E. Raby James D. Cleary Oliver L. Puttler		Execution Date(s): August 3, 2005 August 3, 2005 August 3, 2005	2. Name and address of receiving party(ies): 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other:		<input type="checkbox"/> Merger <input type="checkbox"/> Change of Name		
4. Application or patent number(s) <input checked="" type="checkbox"/> This document is being filed together with a new application.				
A. Patent Application No(s).		B. Patent No(s).		
Additional Numbers Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address to whom correspondence concerning document should be mailed: Name: James D. Christoff Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 651-733-1512 Fax Number: 651-736-3833		6. Total number of applications and patents involved: 1		
08/09/2005 BYRNE 00000119 433723 11195954 01 FC:0021 40.00 DA		7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account		
32692 Customer Number		8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: James D. Christoff		
9. Signature: Printed Name of Attorney/Agent: James D. Christoff Registration No.: 31,492				
		Date: AUGUST 3, 2005		
Pages: Total number of pages including COVER SHEET, attachments, and documents				5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
 REEL: 016861 FRAME: 0488

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

REGISTERING PHYSICAL AND VIRTUAL TOOTH STRUCTURES WITH PEDESTALS

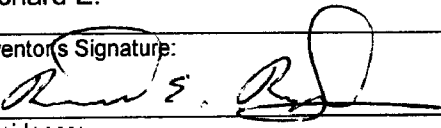
- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
☐ which application is identified as PCT International Patent Application No. filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

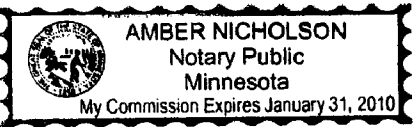
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Richard E.		Family Name or Surname: Raby	
Inventor's Signature: 		Date: 8/3/2005	
Residence: North St. Paul, MN		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)
On this 3rd day of August, 2005, before me personally appeared the above-named Richard E. Raby, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  Amber Nicholson
Notary Public

Given Name (first and middle [if any]): James D.		Family Name or Surname: Cleary	
Inventor's Signature:		Date:	
Residence: Glendora, CA		Country: USA	Citizenship: United States of America
STATE OF CALIFORNIA)) ss. COUNTY OF LOS ANGELES) On this _____ day of _____, _____, before me personally appeared the above-named James D. Cleary, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) _____ <div style="text-align: right;">Notary Public</div>			

Given Name (first and middle [if any]): Oliver L.		Family Name or Surname: Puttler	
Inventor's Signature:		Date:	
Residence: La Crescenta, CA		Country: USA	Citizenship: United States of America
STATE OF CALIFORNIA)) ss. COUNTY OF LOS ANGELES) On this _____ day of _____, _____, before me personally appeared the above-named Oliver L. Puttler, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) _____ <div style="text-align: right;">Notary Public</div>			

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ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

REGISTERING PHYSICAL AND VIRTUAL TOOTH STRUCTURES WITH PEDESTALS

- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
☐ which application is identified as PCT International Patent Application No. filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.


In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle (if any)): Richard E.		Family Name or Surname: Raby	
Inventor's Signature:		Date:	
Residence: North St. Paul, MN		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA } COUNTY OF RAMSEY } ss. On this _____ day of _____, before me personally appeared the above-named Richard E. Raby, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) _____ Notary Public			

Given Name (first and middle [if any]): James D.		Family Name or Surname: Cleary	
Inventor's Signature: <i>James D Cleary</i>		Date: <i>August 3, 2005</i>	
Residence: Glendora, CA		Country: USA	Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)


On this 3rd day of August, 2005, before me personally appeared the above-named James D. Cleary, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Bernadette M. McDaniel*
Notary Public

Given Name (first and middle [if any]): Oliver L.		Family Name or Surname: Puttler	
Inventor's Signature: <i>Oliver L. Puttler</i>		Date: <i>8/3/05</i>	
Residence: La Crescenta, CA		Country: USA	Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On this 3rd day of August, 2005, before me personally appeared the above-named Oliver L. Puttler, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Bernadette M. McDaniel*
Notary Public