

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN RITZBERGER	01/19/2012
ELKE APEL	01/26/2012
WOLFRAM HOLAND	01/19/2012
VOLKER RHEINBERGER	01/02/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IVOCLAR VIVADENT AG
<b>Street Address:</b>	BENDERERSTRASSE 2
<b>City:</b>	SCHAAN
<b>State/Country:</b>	LIECHTENSTEIN
<b>Postal Code:</b>	9494
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14947336
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	173P406B
<b>NAME OF SUBMITTER:</b>	ANN M. KNAB
<b>SIGNATURE:</b>	/Ann M. Knab/
<b>DATE SIGNED:</b>	11/23/2015
<b>Total Attachments: 2</b>	
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ASSIGNMENT

WHEREAS, We, **Christian RITZBERGER**, a citizen of Germany, residing at Grieneegg 20, 6710 Nenzing, Austria, **Elke APEL**, a citizen of Germany, residing at Pradaweg 10, 9479 Oberschan, Switzerland, **Wolfram HÖLAND**, a citizen of Germany, residing at Im Aescherle 26, 9494 Schaan, Liechtenstein, **Volker RHEINBERGER**, a citizen of Liechtenstein, residing at Mareestrasse 34, 9490 Vaduz, Liechtenstein have invented certain new and useful improvements in **LITHIUM SILICATE GLASS CERAMIC AND GLASS WITH DIVALENT METAL OXIDE** for which an application for Letters Patent in the United States is filed herewith.

AND WHEREAS, **Ivoclar Vivadent AG**, with its principal place of business at **Bendererstrasse 2, 9494 Schaan, Liechtenstein**, desires to acquire the entire right, title and interest in and to the said improvements and the said Application.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Ivoclar Vivadent AG**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Ivoclar Vivadent AG**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **Ivoclar Vivadent AG**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Ivoclar Vivadent AG**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of January, 2012.

Christian RITZBERGER  
Christian RITZBERGER

Witnessed: S. Lenherr  
Name Sabrina Lenherr  
Address Bahnstr. 41  
FL-9494 Schaan  
Date: January 19, 2012

Witnessed: Frank H. Hentschmann  
Name Frank H. Hentschmann  
Address Hauptstrasse 4  
FL-9493 Schaan  
Date: 01-19-2012

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26 day of January, 2012.

E. Apel  
Elke APEL

Witnessed: S. Lenherr  
Name Sabrina Lenherr  
Address Rahnstr. 41  
FL-9494 Schaan  
Date: January 26, 2012

Witnessed: Frank H. Kappelmann  
Name Frank H. Kappelmann  
Address Kornweg 9  
LI-9493 Maastricht  
Date: 26.01.2012

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of January, 2012.

W. Hölnd  
Wolfram HÖLAND

Witnessed: S. Lenherr  
Name Sabrina Lenherr  
Address Rahnstr. 41  
FL-9494 Schaan  
Date: January 19, 2012

Witnessed: Frank H. Kappelmann  
Name Frank H. Kappelmann  
Address Kornweg 9  
LI-9493 Maastricht  
Date: Jan. 19, 2012

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of January, 2012.

V. Rheinberger  
Volker RHEINBERGER

Witnessed: S. Lenherr  
Name Sabrina Lenherr  
Address Rahnstr. 41  
FL-9494 Schaan  
Date: January 20, 2012

Witnessed: Frank H. Kappelmann  
Name Frank H. Kappelmann  
Address Kornweg 9  
LI-9493 Maastricht  
Date: 20.01.2012