

**POWER OF ATTORNEY FOR PROCEEDINGS  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

I hereby appoint:

Michael J. Bradford	Reg. No. 52,646
Jacobus C. Rasser	Reg. No. 37,043

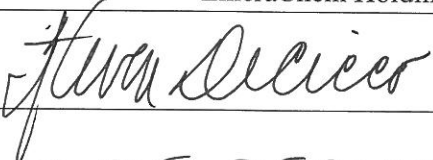
as attorneys to defend and represent the patent owner identified below in proceedings before the Patent Trial and Appeal Board, including in Case Nos. IPR2014-01554, IPR2014-01555, IPR2014-01556, IPR2014-01557 and IPR2014-01558

Name and address of Real Party in Interest:

EmeraChem Holdings, LLC  
201 Perimeter Park Drive  
Knoxville, Tennessee 37922

**SIGNATURE of EmeraChem Holdings, LLC**

The individual whose signature and title is supplied below is authorized to act on behalf of  
EmeraChem Holdings, LLC

Signature		Date 10-21-14
Name	STEVE DECICCO	Telephone Number: 865-246-3024
Title	COO	