

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7747895

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT IRL RICHIE	07/12/2012
SCOTT ALLEN RICHIE	07/12/2022
LEROY JOSEPH DETIVEAUX	07/12/2012
VIRGILIO GARCIA SOULE	07/16/2012
JOHN ANTHONY NOVOTNY	07/12/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TETRA TECHNOLOGIES, INC.
<b>Street Address:</b>	24955 INTERSTATE 45 NORTH
<b>City:</b>	THE WOODLANDS
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77380
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	07073477
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(225)927-9908
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<b>Phone:</b>	5046442860
<b>Email:</b>	BAN@RoyKiesel.com
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<b>ATTORNEY DOCKET NUMBER:</b>	99368.20PC3
<b>NAME OF SUBMITTER:</b>	BRETT A. NORTH
<b>SIGNATURE:</b>	/BAN42040/
<b>DATE SIGNED:</b>	01/18/2023
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS We, Robert Irl Richie, Scott Allen Richie, Leroy Joseph Detiveaux, Jr., Virgilio Garcia Soule and John Anthony Novotny are joint inventors of an invention entitled "MULTI CHAMBER MIXING MANIFOLD", for which an application for United States Letters Patent was filed on April 27, 2012, and bearing Serial No. 13/458,526;

WHEREAS, TETRA TECHNOLOGIES, INC. (ASSIGNEE), located at 24955 Interstate 45 North, The Woodlands, TX 77380, a corporation existing under and by virtue of the laws of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;


NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) to us in hand paid by ASSIGNEE and for other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to ASSIGNEE, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, continuations-in-part, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by ASSIGNEE for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, continuations-in-part, and reissues thereof, to ASSIGNEE, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to ASSIGNEE, its successors, assigns, or other legal representatives and that if ASSIGNEE, its successors, assigns or other legal representatives shall desire to file any divisional, continuation, or continuation-in-part applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional, continuation, or continuation-in-part application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to ASSIGNEE, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

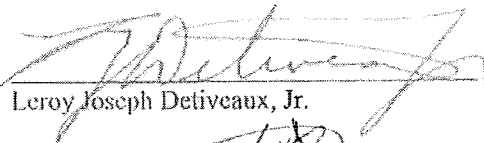
7-12-12  
Date

  
Robert Irl Richie

7-12-12  
Date

  
Scott Allen Richie

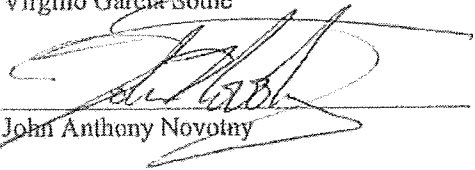
7-12-12  
Date

  
Leroy Joseph Deliveaux, Jr.

7-16-12  
Date

  
Virgilio Garcia Soule

7-12-12  
Date

  
John Anthony Novotny