

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Syed A.M. Tofail</td> <td>01/16/2013</td> </tr> <tr> <td>James Butler</td> <td>01/16/2013</td> </tr> <tr> <td>Garry Warren</td> <td>01/16/2013</td> </tr> <tr> <td>Abbasi A. Gandhi</td> <td>01/16/2013</td> </tr> <tr> <td>Peter Tieman</td> <td>01/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Syed A.M. Tofail	01/16/2013	James Butler	01/16/2013	Garry Warren	01/16/2013	Abbasi A. Gandhi	01/16/2013	Peter Tieman	01/16/2013
Name	Execution Date												
Syed A.M. Tofail	01/16/2013												
James Butler	01/16/2013												
Garry Warren	01/16/2013												
Abbasi A. Gandhi	01/16/2013												
Peter Tieman	01/16/2013												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>University of Limerick</td> </tr> <tr> <td>Street Address:</td> <td>Plassey Technological Park</td> </tr> <tr> <td>City:</td> <td>Limerick</td> </tr> <tr> <td>State/Country:</td> <td>IRELAND</td> </tr> </table>		Name:	University of Limerick	Street Address:	Plassey Technological Park	City:	Limerick	State/Country:	IRELAND				
Name:	University of Limerick												
Street Address:	Plassey Technological Park												
City:	Limerick												
State/Country:	IRELAND												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13744950</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13744950								
Property Type	Number												
Application Number:	13744950												
CORRESPONDENCE DATA													
<p>Fax Number: 3123214299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 3123214200 Email: cpisarski@usebrinks.com Correspondent Name: Mindy N. Rittner Address Line 1: Brinks Hofer Gilson & Lione Address Line 2: P.O. Box 10395 Address Line 4: Chicago, ILLINOIS 60611</p>													
ATTORNEY DOCKET NUMBER:	8627-3811												
NAME OF SUBMITTER:	Mindy N. Rittner												
<p>Total Attachments: 3 source=8627-3811-Assignment-exe#page1.tif source=8627-3811-Assignment-exe#page2.tif source=8627-3811-Assignment-exe#page3.tif</p>													

CH \$40.00 13744950

ASSIGNMENT AND AGREEMENT

WHEREAS, I/We, **Syed A. M. Tofail**, residing at 26 Castletroy View, Childers Road, Limerick, Ireland, **James Butler**, residing at Gortavoher, Aherlow, Co. Tipperary, Ireland, **Garry Warren**, residing at Patrickswell, Lough Gur., Bruff, Limerick, Ireland, **Abbasi A. Gandhi**, residing at A/10 Mordern Flats, Behind N.I.D., P.T. College Road, Paldi, Ahmedabad-380007, Gujarat, India, and **Peter Tiernan**, residing at Ballyvorreen, Caherline, Caherconlish, Limerick, Ireland, (the "Inventor(s)") have invented a certain invention or inventions related to "MIXTURE OF POWDERS FOR PREPARING A SINTERED NICKEL-TITANIUM-RARE EARTH METAL (Ni-Ti-RE) ALLOY" and being described in U.S. Provisional Application No. 61/587,919, filed on January 18, 2012; U.S. Nonprovisional Application No. 13/744,950, filed on January 18, 2013; PCT Application No. _____, filed on _____; and any and all applications claiming the benefit thereof including the right of priority (the "Invention" or "Inventions"). (I/We hereby consent to the patent agent/attorney entering the serial numbers and filing dates when they become known.)

WHEREAS, the Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **University of Limerick**, a body established by the Universities Act 1997 of Plassey Technological Park, Limerick, Ireland, and its successors, assigns, and legal representatives, hereinafter collectively "UL", by virtue of employment or otherwise.

WHEREAS, to the extent that any of my/our right, title, or interest in the Invention or Inventions has not been transferred or assigned to UL by virtue of employment or otherwise, Inventor(s) desires to assign to UL all of my/our right, title, and interest in, to, or under the Invention or Inventions, and UL desires to accept such an assignment.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

Inventor(s) hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto UL and its successors, assigns, and legal representatives all of my/our right, title and interest in the Invention or Inventions, all of my/our right, title, and interest in the Invention or Inventions being in the United States of America and all other countries and states of the world, and all the rights and privileges in said application and under any and all Letters Patent or any continuation, division, renewal, or substitute thereof, and any reissue or re-examination thereof that may be granted in the United States and in any country or state of the world for the Invention or Inventions (including, without limitation, all proceeds thereof and the rights to sue for past, present and future infringements). I/We sell, assign, and transfer all of my/our right, title and interest in the Invention or Inventions as of the day of signature or of filing of the first filed patent application for the Invention or Inventions, whichever is the earlier.

The Inventor(s) authorizes UL to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for the Invention or Inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

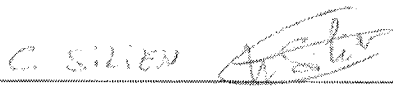
The Inventor(s) hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document that may be required in any country in proof of the right of UL to apply for patent or other form of protection for the Invention or Inventions and to claim the aforesaid benefit of the right of priority.

The Inventor(s) requests that any and all patents for the Invention or Inventions be issued to UL in the United States and in all countries foreign to the United States, or to such nominees as UL may designate.


The Inventor(s) agrees that, when requested, I/we shall, without charge to UL, but at their expense, sign all papers, take all rightful oaths, and do all acts that may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection for the Invention or Inventions.

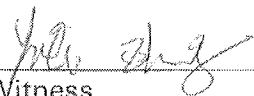
Date: 16/01/2013


Syed A. M. Tofail, Inventor



Witness

Date: 16/01/13


James Butler, Inventor


Witness

Date: 16/01/2013


Garry Warren, Inventor

K. Mahendrar

Witness

Date: 16/01/2013

Abbasi A. Gandhi

Abbasi A. Gandhi, Inventor

Katherine McNamara

Witness

Date: 16/01/13

Peter Tiernan

Peter Tiernan, Inventor

Daniel

Witness

Signed for and on behalf of
University of Limerick
this 17 day of January, 2013

Mary Shire

Dr. Mary Shire
Vice President of Research

Margaret Jennings

Witness