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PATENT PORTFOLIO STATUS REPORT

Executive Summary

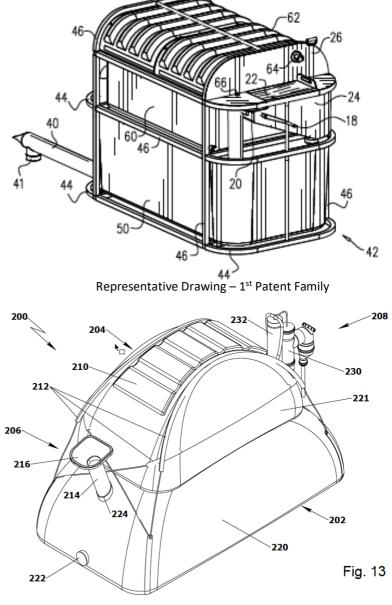
The portfolio of patents, elaborated in a more detail below, covers a self-sustained unit, for recycling of organic waste into a biogas useable for various household needs, as well as a liquid fertilizer, by a means of anaerobic digestion process.

The self-sustained unit covered by the patent portfolio is modular and configured for being transferred in a folded and compact form. The unit includes structural scaffolding easily assembled and deployed on site and a collapsible anaerobic digester, suspended from the beams of the structural scaffolding.

The collapsible anaerobic digester is made of welded polymeric sheets. Upon filling the anaerobic digester with liquid, the digester considerable forms ballast, conferring stability to the entire structure.

The patented unit is completely selfsustained and operates autonomously. Moreover, the unit is easily scalable, so that institutional and under kitchen sink configurations of the unit are also covered by the patent. The patented unit entails the following prominent benefits:

- Self-Sustained / Operating Autonomously
- Saves Energy / Provides Energy Source
- Enables Safe Disposal of Organic Waste
- Saves Greenhouse Gas Pollution
- Compact and Foldable for Transfer
- Easily Assembled and Deployed
- Versatile and Scalable in Size



Representative Drawing – 2nd Patent Family

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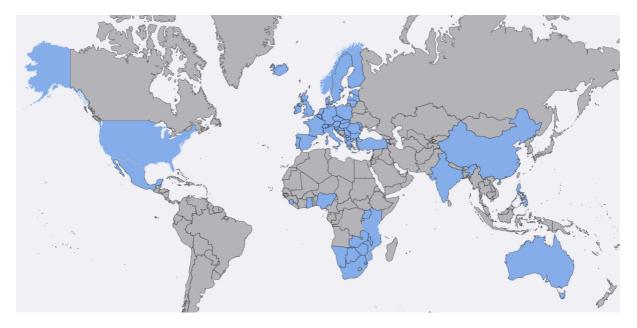
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Geographical Coverage



The portfolio includes two patent families. First patent family includes African Regional Intellectual Property Organization (ARIPO) patent application and granted European patent. First patent family further includes national patents in US, Australia and Nigeria as well as patent applications at the final stages of prosecution in: China, India, Mexico, Israel, South Africa and Philippines.

European reginal patent was granted and validated in Germany and UK. African Regional Intellectual Property Organization (ARIPO) application has been designated into and actually covers the following states: includes: Botswana, Ghana, Kenya, Malawi, Mozambigue, Namibia, Rwanda, Sierra Leone, Swaziland, Uganda, Tanzania, Zambia and Zimbabwe.

Second patent family includes US Continuation-in-Part patent application, international PCT application, patent application in China, utility model application in China, patent application in India and utility model application in Mexico.

Detailed Status Report

First Patent Family - International Patent Application Ser. No. PCT/IB2013/061160 entitled LIGHTWEIGHT ASSEMBLABLE APPLIANCE AND RESPECTIVE METHOD FOR PRODUCTION OF BIOGAS AND LIQUID FERTILIZER has been entered into national/regional phase, as detailed hereunder.

An online copy of PCT/IB2013/061160, with live links to full-text publication and PDF is available here.

1) US Patent 9688585

Status: Granted, In Force

2) European Regional Patent 3010863

Status: Granted and Validated in Germany and UK

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- 3) Australian Patent 2013392951 Status: Granted, In Force
- 4) Chinese National Phase Application Ser. No. 2013800789586 Status: Allowed
- 5) Indian National Phase Application Ser. No. 201617001594 Status: Filed, Undergoing Examination
- 6) Israel National Phase Application Ser. No. 243244 Status: Filed, Allowed
- 7) Mexican National Phase Application Ser. No. MX/a/2015/017766 Status: Filed, Undergoing Examination
- 8) African Regional Intellectual Property Organization (ARIPO) Ser. No. AP/P/2016/009123 Status: Filed, Undergoing Allowance Designated into: Botswana, Ghana, Kenya, Malawi, Mozambique, Namibia, Rwanda, Sierra Leone, Swaziland, Uganda, Tanzania, Zambia and Zimbabwe
- 9) South African National Phase Application Ser. No. 2016/00343 Status: Undergoing Examination
- 10) Nigerian Patent NG/PT/C/2015/1662

Status: Granted, In Force

11) Philippine National Phase Application - Ser. No. 0600048

Status: Undergoing Examination

Second (New) Patent Family – A Priority Patent Application entitled LIGHTWEIGHT APPLIANCE WITH EXOSKELETAL SUPPORT RESPECTIVE KIT-OF-PARTS AND METHOD FOR PRODUCTION OF BIOGAS AND LIQUID FERTILIZER has been filed.

- 1) US Continuation-in-Part Application Ser. No. 15/632,367 Status: Filed, Awaiting Examination
- 2) International PCT Application Ser. No. PCT/IB2018/054643 Status: Filed

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- 3) Chinese Patent Application Ser. No. 2018106668611 Status: Filed
- 4) Chinese Utility Model Application Ser. No. 2018209867415 Status: Filed
- 5) Indian Patent Application Ser. No. 201814023441 Status: Filed, Examination Requested
- 6) Mexican Utility Model Application Ser. No. MX/u/2018/000311 Status: Filed

* International PCT Application Ser. No. PCT/IB2018/054643 designates and thus potentially covers the following states:



United Arab Emirates, Antigua and Barbuda, Albania (EP), Armenia (EA), Angola, Austria (EP), Australia, Azerbaijan (EA), Bosnia and Herzegovina, Barbados, Belgium (EP), Burkina Faso, Bulgaria (EP), Bahrain, Cuba, Cyprus (EP), Czechia (EP), Germany (EP), Djibouti, Denmark (EP), Dominica, Dominican Republic, Algeria, Ecuador, Estonia (EP), Egypt, Spain (EP), Finland (EP), France (EP), Gabon (OA), Iran, Iceland (EP), Italy (EP), Jordan, Japan, Kenya (AP), Kyrgyzstan (EA), Cambodia, Comoros, Saint Kitts and Nevis, Democratic People's Republic of Korea, Republic of Korea, Madagascar, Macedonia (EP), Mali (OA), Mongolia, Mauritania (OA), Malta (EP), Malawi (AP), Mexico, Malaysia, Mozambique (AP), Namibia (AP), Niger (OA), Nigeria, Nicaragua, Sudan (AP), Sweden (EP), Singapore, Slovenia (EP), Slovakia (EP), Sierra Leone (AP), San Marino (EP), Senegal (OA), Sao Tome and Principe (AP), El Salvador, Syrian Arab Republic, Swaziland (AP), Chad (OA), Togo (OA), Thailand, Tajikistan, Benin (OA), United Kingdom (EP), Kuwait, Netherlands (EP), Turkmenistan (EA), Brunei Darussalam, Brazil, Botswana (AP), Belarus (EA), Belize, Grenada, Georgia, Ghana (AP), Gambia (AP), Guinea (OA),

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Kazakhstan (EA), Lao People's Democratic Republic, Saint Lucia, Liechtenstein (EP), Sri Lanka, Norway (EP), New Zealand, Oman, Panama, Peru, Papua New Guinea, Tunisia, Turkey (EP), Trinidad and Tobago, United Republic of Tanzania (AP), Ukraine, Canada, Equatorial Guinea (OA), Liberia (AP), Philippines, Uganda (AP), Central African Republic (OA), Greece (EP), Guatemala, Lesotho (AP), Lithuania (EP), Poland (EP), Portugal (EP), United States of America, Congo (OA), Guinea-Bissau (OA), Luxembourg (EP), Qatar, Uzbekistan, Switzerland (EP), Côte d'Ivoire (OA), Chile, Cameroon (OA), China, Colombia, Costa Rica, Honduras, Croatia (EP), Hungary (EP), Indonesia, Ireland (EP), Israel, India, Latvia (EP), Libya, Morocco, Monaco (EP), Republic of Moldova, Montenegro, Romania (EP), Serbia (EP), Russian Federation (EA), Rwanda (AP), Saudi Arabia, Seychelles, Saint Vincent and the Grenadines, Viet Nam, South Africa, Zambia (AP) and Zimbabwe (AP), depending on which states PCT national/regional phase applications will be actually filed.

Sincerely, נורך-פטנטים 60872 n L. Nº 347 'OD ATENTATIORN Andrey Vapriarsk, VAPN Advocate | Patent Attorney

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