

WIPO GREEN and promotion of Green Technologies

WIPO Conversations, Fifth Session, Panel 5 Geneva, April 6, 2022

Peter Oksen, PhD. Green Technology and Research Manager, Climate Change & Food Security Global Challenges Division, WIPO

The evolving risk landscape 2007-20

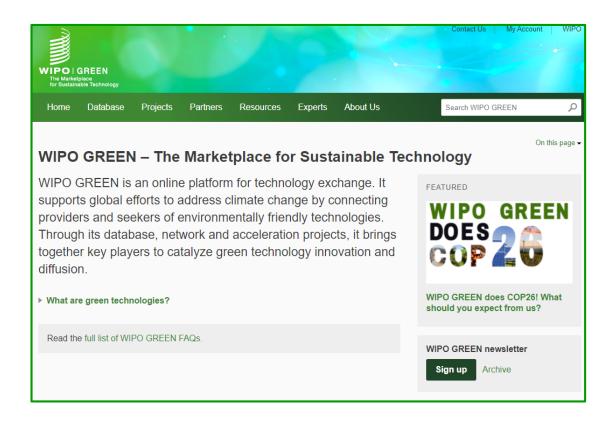


WIPO GREEN main role

- Reach out to public and private spheres
- Mobilize innovation and green technology for global challenges
- Green technology is very on technological frontier
- Solutions are there, but uptake too slow
- Lack of information part cause
- IP system generates technological knowledge and facilitates innovation and technology transfer
- Part of WIPO's contribution to SDGs
- Part of making IP and innovation better known and used



WIPO GREEN Platform



- WIPO GREEN platform, major visible implementation
- Combines all assets
 - Database
 - Projects
 - Partners
 - Resources / knowledge material

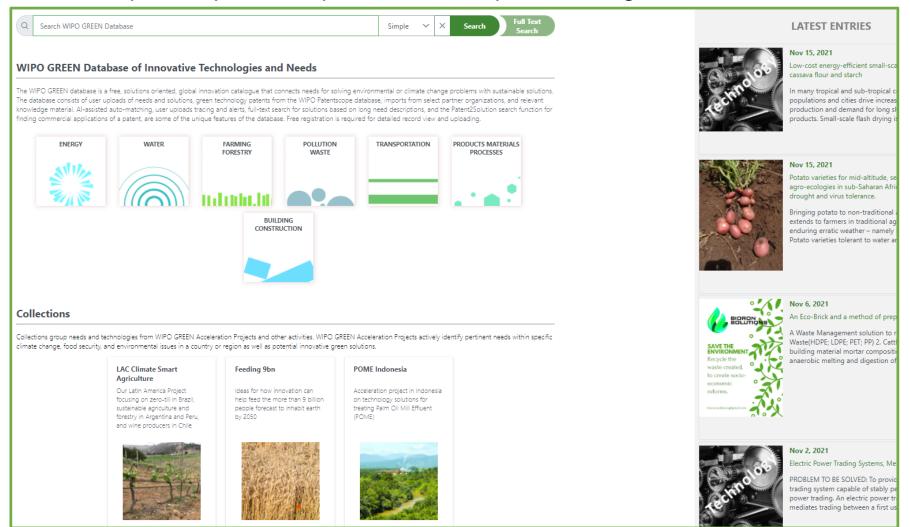


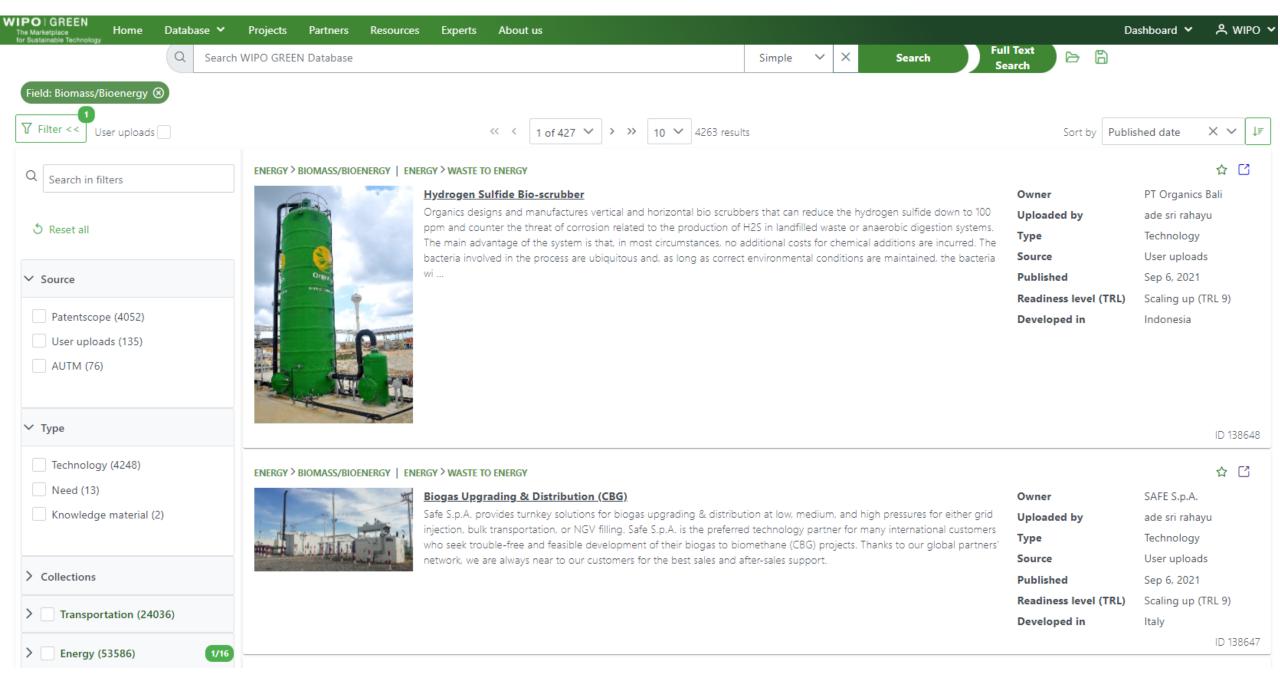
Acceleration projects

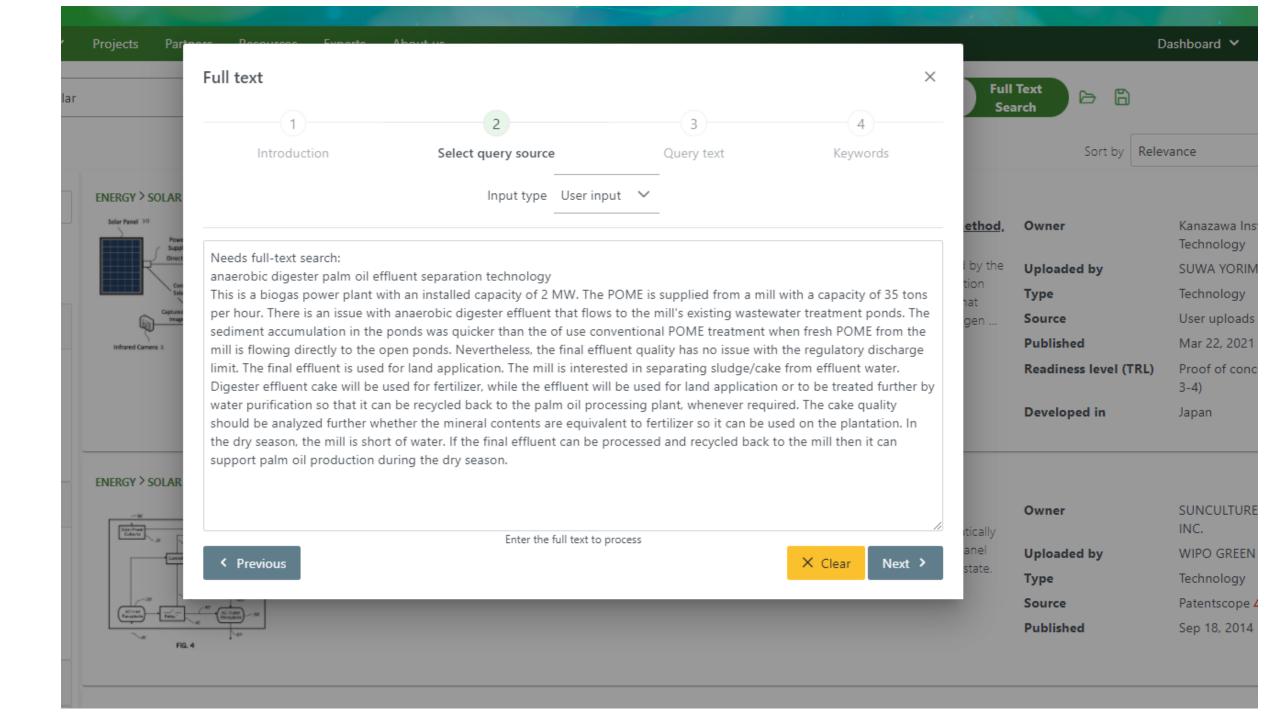


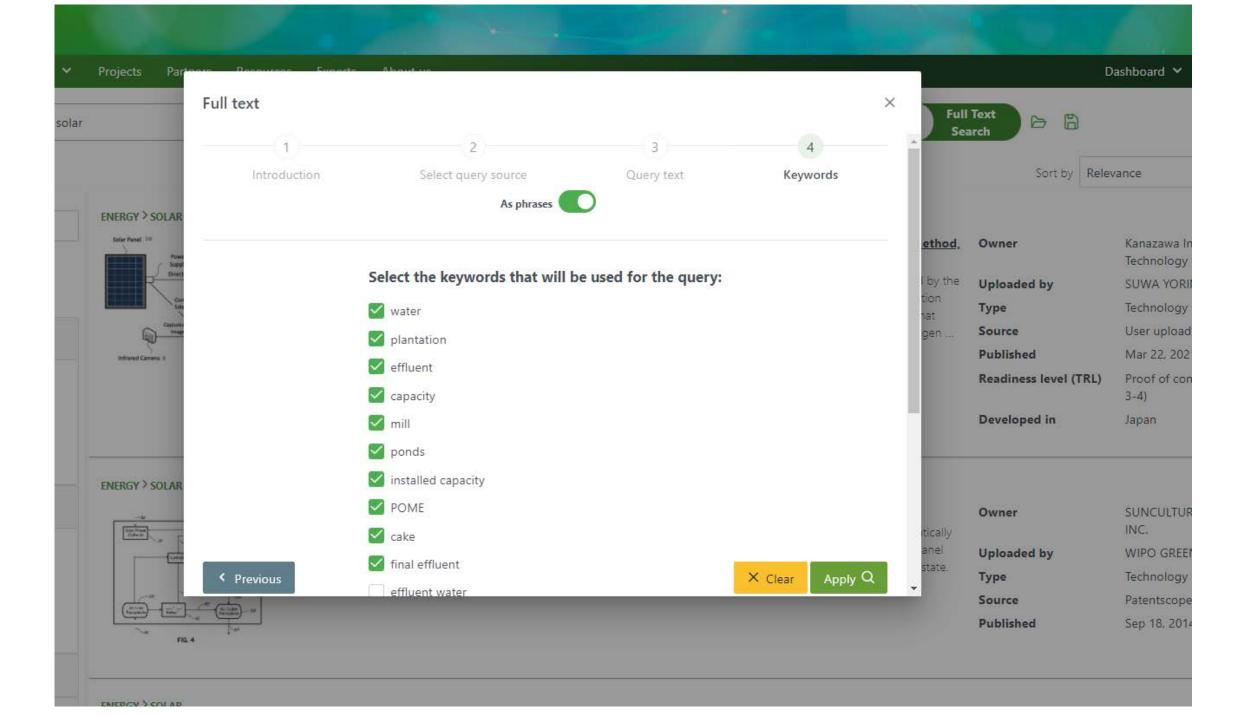


- >127.000 entries
- User-uploads, partner imports, Patentscope, knowledge material







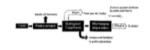


∠ WIPO ✓ Dashboard Y Database Y Projects Partners Resources Experts About us

ZERO DISCHARGE TREATMENT SYSTEM OF PALM OIL MILL EFFLUENT (POME)

POLLUTION & WASTE > RECYCLING & REUSE | FARMING & FORESTRY > IMPROVED FARM INPUTS





Patent2Solution

ID 60274

RONSER BIO-TECH Applicant

SDN BHD

Uploaded by WIPO GREEN

Import

Technology Type

Source Patentscope

Nov 14, 2013 Published

Updated Jul 12, 2021

M

EMAIL OWNER

VISIT WEBSITE

RONSER BIO-TECH SDN BHD

Disclaimer

Data has been uploaded by WIPO from the PATENTSCOPE Database. The data has been submitted by the applicant in

Other Information Attachments Details

The present invention relates to establishment of a zero discharge treatment technology of POME mainly routed in (1) pre-treatment, (2) biological treatment and (3) membrane separation. The ultimate goals of the developed zero discharge POME treatment technology are: (1) produce biogas as a source of renewable energy, (2) zero emissions of POME into the atmosphere, (3) final discharge of BOD 20 ppm or below; (4) clean water for use as boiler feed water and (5) recover potash rich fertilizer, which are of great values to the palm oil milling process.

Patent2Solution

Patent2Solution is a unique search function providing links to commercial sites which may be related to the patent chosen. It applies artificial intelligence functions and an elaborate Google search algorithm, but due to the variety and complexity of patents, it may not always produce useful results. The emphasis is on providing a commercial link to a patent. If no patent owner company is indicated in the patent, the likelihood of finding an exact match decreases.

Patent2Solution is developed by WIPO GREEN and is provided for assistance only. Feedback on how you use this function and whether you find it useful are highly appreciated. You can write to info@wipogreen.int.

Disclaimer

Hyperlinks to other websites are provided as a convenience only, and imply neither responsibility for, nor approval of, the information contained in those other web sites on the part of WIPO. WIPO makes no warranty, either express or implied, as to the accuracy, availability, reliability or content of such information, text, graphics and hyperlinks. WIPO has not tested any software located on other sites and does not make any representations as to the quality, safety, reliability or suitability of such software.

Results related to ZERO DISCHARGE TREATMENT SYSTEM OF PALM OIL MILL EFFLUENT (POME)

| Editable keywords used: | ZERO DISCHARGE TREATMENT PALM OIL environmental policies water | | | | | | |
|--|--|-------------|--|--|--|--|--|
| (54) Total results | Page 1 of 6 << < 1 2 3 4 5 > >> | | | | | | |
| www.linkedin.com > company > ronser-bio-tech-berhad | | | | | | | |
| Ronser Bio-Tech Berhad LinkedIn | | | | | | | |
| Ronser Bio-Tech Berhad 42 followers on LinkedIn. Ronser Bio-Tech Bhd, a BioNexus status company, is an INTEGRATED WASTEWATER TREATMENT SOLUTIONS | | | | | | | |
| | Sou | rce: GOOGLE | | | | | |
| www.crunchbase.com > organization > ronser-bio-tech-sdn-bhd | | | | | | | |
| RONSER Bio-Tech Sdn Bhd - Crunchbase Company Profile | | | | | | | |
| RONSER Bio-Tech Sdn Bhd provides environmental facilities and engages in the treatment of industrial high organic wastewater. | | | | | | | |
| | Sou | rce: GOOGLE | | | | | |
| www.facebook.com > ronserbiotech > | | | | | | | |
| Ronser Bio-Tech Berhad - Home Facebook | | | | | | | |
| Ronser Bio-Tech Bhd, a BioNexus status company, is an INTEGRATED WASTEWATER TREATMENT SOLUTIONS specialist offering multi-disciplinary environmental services in | | | | | | | |

www.alfalaval.com > industries > food-dairy-beverage > food-processing > fat-and-oil-processing > palm-oil-processing > pome-treatment >

Palm oil mill effluent POME treatment - Alfa Laval

Traditional treatment methods place demands on millers, particularly in the face of strict environmental regulations. Drawing from our knowledge of evaporation ...

Source: GOOGLE

onlinelibrary.wiley.com > doi > abs > 10.1002 > 9781119478911.ch20

Water Recycling from Palm Oil Mill Effluent - Handbook of Water ...

Jan 8, 2021 ... Summary Nowadays, oil palm production in Malaysia has reached 20 000 000 tons. The conventional treatment method for palm oil mill effluent ...

Source: GOOGLE

iwaponline.com > wst > article > 73 > 11 > 2704 > 19121 > Polishing-of-treated-palm-oil-mill-effluent-POME

Polishing of treated palm oil mill effluent (POME) from ponding ...

Mar 7, 2016 ... As the ponding system used to treat palm oil mill effluent (POME) frequently fails to satisfy the discharge standard in Malaysia, ...

Source: GOOGLE

us.pg.com > environmental-sustainability >

Environmental Sustainability | Procter & Gamble

NET ZERO AMBITION BY 2040. In September 2021, P&G set a new ambition to achieve net zero greenhouse gas (GHG) emissions across its operations and supply chain ...

Source: GOOGLE

www.musimmas.com > sustainability > environmental-protection >

Environmental Protection - Musim Mas

As a major player in the palm oil sector, we have a significant role in promoting sustainable forest management in our industry. We also play a part in ...

Source: GOOGLE

Automatching

Caulys-Farm: smart indoor vertical farm

FARMING & FORESTRY > FARMING TECHNOLOGIES | FARMING & FORESTRY > GREENHOUSE & INDOOR

ID 10790

Owner Caulys SA

Uploaded by WIPO GREEN

admin

Type Technology

Source User uploads

Published Aug 11, 2020

Updated Nov 15, 2021

| Description | Benefits | Other Information | Matching needs | Similar technologies | Statistics | | | | |
|----------------|--|-------------------|----------------|----------------------|------------|--|--|--|--|
| Administrativ | Administrative tools that link the digital with the economic | | | | | | | | |
| Environmenta | Environmental friendly greenhouse farming | | | | | | | | |
| Sustainable P | Sustainable Production Management | | | | | | | | |
| Digital Agricu | Digital Agriculture Satellite monitoring of agricultural machines. | | | | | | | | |
| Hydroponics | Hydroponics System for barley fodder | | | | | | | | |
| ADJUSTMENT | ADJUSTMENT OF THE BIODIVERSITY AND INTENSITY OF AGRICULTURAL | | | | | | | | |
| | | | | | | | | | |



Caulys SA

More

Your Country has made Commitments

- NDC (iNDC) Nationally Determined Contributions Paris accord 2015
- NAP National Adaptation Plans (developing countries)
- Methane pledge brand new
- SDGs 2030 Agenda for Sustainable Development (replaced Millennium Dev. Goals)
- CBD Convention on Biological Diversity
- FAO International Code of Conduct on the Distribution and Use of Pesticides
- International Treaty on Plant Genetic Resources for Food and Agriculture
- International Tropical Timber Agreement (ITTA)
- Minamata Convention on Mercury,
- Montreal Protocol on Substances that Deplete the Ozone Layer
- Stockholm Convention on Persistent Organic Pollutants
- United Nations Convention to Combat Desertification
- Convention on the Protection and Use of Transboundary Watercourses and International Lakes
- + many regional agreements

als)

* many more...

for Sustainable Technology

IPO Green Project

- Launching webinars done
- A place where IPOs can find inspiration
- A place where IPOs can share experience good & bad
- Located on the WIPO GREEN Platform specialized in green innovation
- Continuous activities
- ... which activities is decided by IPOs
- A permanent feature of WIPO GREEN
- We facilitate so that IPOs can do
- Already 13 initiatives identified







Policy Initiatives Identified

- Accelerated patent prosecution
- Provision of green data and analysis
- Matchmaking and «business rounds»
- Regional cooperation on green IP matters
- Collaboration with WIPO GREEN
- IP awareness-raising for green innovators
- Green training programs
- Green PPH arrangements

- Upcycling programs for counterfeits
- Awards for green innovation
- IP services for green entrepreneurs
- Green classification systems
- Financial support for green patent applications



Thank you!

WIPO.GREEN@WIPO.INT IPOGreen@wipo.int





We invite you to search for technologies on our database.

1 UPLOAD

Register to be a WIPO GREEN user and upload your technology needs and solutions.

CONNECT

The automated matchmaking function on our database makes it easy to connect with technology seekers and providers.

WIPO FOR OFFICIAL USE ONLY