ZEN Graphene Solutions Files Patent Applications

ZEN Graphene Solutions Ltd (TSX.V: ZEN)

Announced that it has filed a full international patent application for its**ZEN**Guard™ compound under the Patent Cooperation Treaty (PCT). The company elected to file an international patent due to the global opportunities for its technology.

“We believe our**ZEN**Guard™ technology is a key differentiator in the surgical mask market given its antimicrobial properties” […]

Zen Graphene	**TSX.v : ZEN**
Stage	**Exploration**
Metals	**Graphite**
Market cap	**C$429 m @ 4.83c**
Location	**Ontario, Canada**



Zen Graphene Solutions exhibition stand

ZEN Graphene Solutions Announces Filing of Patent Applications under the Patent Cooperation Treaty

October 6, 2021

Guelph, ONTARIO

ZEN Graphene Solutions Ltd. (“**ZEN**” or the “**Company**”) (TSX-:ZEN and OTC:ZENYF), a Canadian, nanotechnology company focused on next-gen healthcare solutions, announces that it has filed a full international patent application for its**ZEN**Guard™ compound under the Patent Cooperation Treaty (PCT).

The company elected to file an international patent due to the global opportunities for its technology.

Zen Graphene Solutions management comments

*“We believe our**ZEN**Guard™ technology is a key differentiator in the surgical mask market given its antimicrobial properties and its ability to significantly reduce the number of viable bacteria and virus particles that pass through the mask material.*

“The unique, patent-pending science that enables these attributes is related to the bonding between the graphene oxide and silver, where the silver is chelated on its surface.”

“Importantly, with the submission of our full international patent, Health Canada approval, and commercial opportunities in front of us, we are working diligently to maximize this opportunity for our shareholders.

“Further, this is an important demonstration of our ability to complete the journey from scientific breakthrough, patent filing, regulatory approval, then to commercialization.

“While our immediate focus is on transmission prevention, we look forward to replicating this success with our other healthcare opportunities and beyond.

“Our focus is to develop innovative nanotechnologies with our partners that improve people’s lives, and we believe our current platform has an unparalleled opportunity to accomplish that.”

Greg Fenton, CEO, Zen Graphene Solutions

To read the full news release, please click HERE

Guelph University also filed a full international patent application under the PCT for the electrochemical exfoliation process to produce graphene oxide; this technology includes automation.

ZEN has acquired the exclusive global rights to this technology, and it is being transferred from Guelph University to ZEN's Research and Develop facility for scale up.

About ZEN Graphene Solutions Ltd.

ZEN is a nanotechnology company developing and commercializing next-gen healthcare solutions in the areas of prevention, detection and treatment.

ZEN is currently focused on commercializing**ZEN**Guard™, a patent-pending coating with 99% antimicrobial activity, including against COVID-19, and the potential to use similar compounds as pharmaceutical products against infectious diseases.

The company also has an exclusive agreement to be the global commercializing partner for a newly developed, highly scalable, aptamer-based rapid pathogen detection technology.

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