

PyroGenesis Canada Inc.

11:00 04 Sep 2019

PyroGenesis Canada files second patent application for PUREVAP project to reduce the cost of making silicon metal

PyroGenesis Canada Inc (CVE:PYR) (OCTMKTS:PYRNF) and partner HPQ Silicon Resources Inc (CVE:HPQ) have filed a new provisional patent application for their PUREVAP project which is designed to reduce the cost of making silicon metal.

This is the second patent filing for PUREVAP since both companies teamed up in 2015. That first patent is still pending and allows the transformation and purification of quartz into metallurgical grade silicon metal at prices that show its clean energy potential.

The PUREVAP method uses low cost highly reactive carbon sources, converting them into high purity silicon metal which is used in solar panels and electronic semiconductors. By comparison, conventional processes currently available use expensive higher purity carbon sources.

READ: PyroGenesis Canada reports success with PUREVAP project, which can reduce cost of making silicon metal

The new provisional patent filing is focused on a novel process for continuous operations of the plasma arc furnace under vacuum, according to a statement.

In a statement, PyroGenesis CEO, P. Peter Pascali said: "The new provisional patent application represents another significant milestone in our long term relationship with HPQ Silicon, and underscores our belief that what we are doing is truly unique as well as demonstrating our confidence in the ultimate commercial viability of the PUREVAP project."

PyroGenesis is a high-tech company based in Montreal that designs, develops, manufactures and commercializes advanced plasma processes. Its offerings are used in the defense, metallurgical, mining, advanced materials - including 3D printing, oil & gas, and environmental industries.

The company's stock was up 4% to C\$0.50 in Toronto on Wednesday, and was flat at US\$0.36 on the OTC markets.

Contact the author: patrick@proactiveinvestors.com

Follow him on Twitter @PatrickMGraham

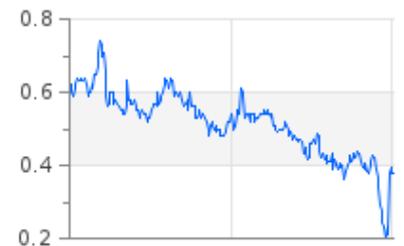
Proactive Investors facilitate the largest global investor network across 4 continents in 4 languages. With a team of analysts journalists & professional investors Proactive produce independent coverage on 1000's of companies across every sector for private investors, private client brokers, fund managers and international investor communities.

Contact us +44 (0)207 989 0813 action@proactiveinvestors.com

Price: 0.415

Market Cap: \$58.07 m

1 Year Share Price Graph



April 2019 September 2019 March 2020

Share Information

Code: PYR

Listing: TSX-V

52 week **High** **Low**
0.77 0.19

Sector: Manufacturing & engineering

Website: www.pyrogenesis.com

Company Synopsis:

PyroGenesis Canada Inc. (TSX-V: PYR • OTCQB: PYRNF • FRA: 8PY), a high-tech company, is the world leader in the design, manufacture and commercialization of advanced plasma processes.

action@proactiveinvestors.com

No investment advice

The Company is a publisher. You understand and agree that no content published on the Site constitutes a recommendation that any particular security, portfolio of securities, transaction, or investment strategy is suitable or advisable for any specific person. You understand that the Content on the Site is provided for information purposes only, and none of the information contained on the Site constitutes an offer, solicitation or recommendation to buy or sell a security. You understand that the Company receives either monetary or securities compensation for our services. We stand to benefit from any volume which any Content on the Site may generate.

You further understand that none of the information providers or their affiliates will advise you personally concerning the nature, potential, advisability, value, suitability or profitability of any particular security, portfolio of securities, transaction, investment, investment strategy, or other matter.

You understand that the Site may contain opinions from time to time with regard to securities mentioned in other products, including Company-related products, and that those opinions may be different from those obtained by using another product related to the Company. You understand and agree that contributors may write about securities in which they or their firms have a position, and that they may trade such securities for their own account. In cases where the position is held at the time of publication and such position is known to the Company, appropriate disclosure is made. However, you understand and agree that at the time of any transaction that you make, one or more contributors may have a position in the securities written about. You understand that price and other data is supplied by sources believed to be reliable, that the calculations herein are made using such data, and that neither such data nor such calculations are guaranteed by these sources, the Company, the information providers or any other person or entity, and may not be complete or accurate.

From time to time, reference may be made in our marketing materials to prior articles and opinions we have published. These references may be selective, may reference only a portion of an article or recommendation, and are likely not to be current. As markets change continuously, previously published information and data may not be current and should not be relied upon.

The Site does not, and is not intended to, provide investment, tax, accounting, legal or insurance advice, and is not and should not be construed as providing any of the foregoing. You should consult an attorney or other relevant professional regarding your specific legal, tax, investment or other needs as tailored to your specific situation.

In exchange for publishing services rendered by the Company on behalf of PyroGenesis Canada Inc. named herein, including the promotion by the Company of PyroGenesis Canada Inc. in any Content on the Site, the Company receives from said issuer annual aggregate cash compensation in the amount up to

Twenty	Five	Thousand	dollars	(\$25,000).
--------	------	----------	---------	-------------