

PyroGenesis Canada Inc.

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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.

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Price: 0.41

Market Cap: \$57.37 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.

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