

Archer Materials Ltd

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Archer Exploration registers provisional patent for biosensor ink

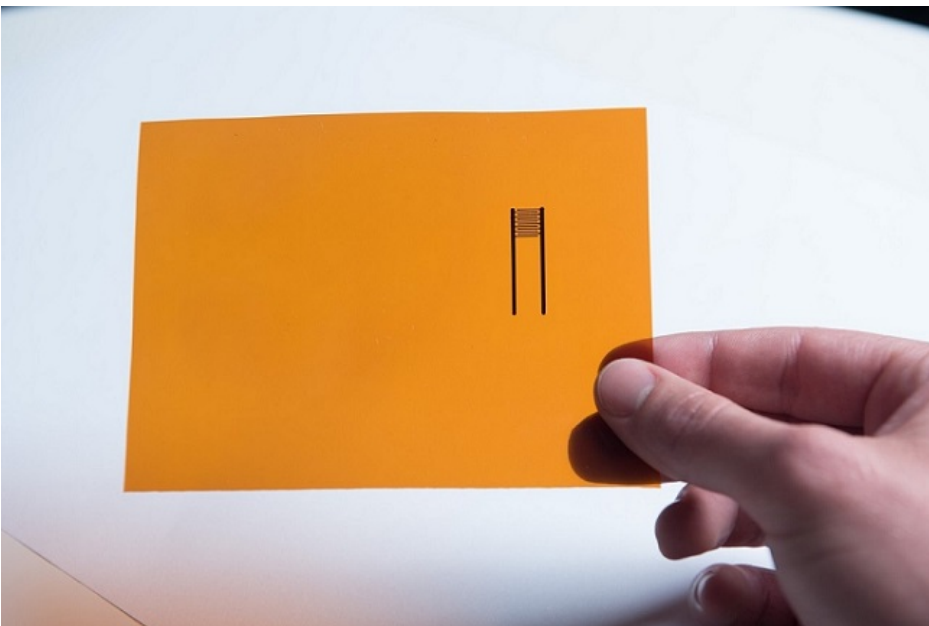
Archer Exploration Ltd (ASX:AXE) has registered a provisional patent with the Australian Patent Office, comprising intellectual property (IP) relating to graphene ink compositions, methods of synthesising the inks and the use of the inks for biomolecular sensing.

The registration of the patent is part of Archer's strategy to commercially develop materials and technology in the key vertical of human health.

Background

Archer is engaged in a collaboration agreement with The University of Adelaide as part of the Australian Research Council Research Hub for Graphene Enabled Industry Transformation (ARC Graphene Hub).

The collaboration seeks to target high value, high growth markets servicing human health applications by developing and implementing graphene and carbon-based materials for use in complex biosensing devices.



Archer graphene-based ink derived from the Campoona deposit, printed as an interdigitated electrode pattern on a flexible polyimide film to be used as critical componentry in biosensor devices

The patent embodies Archer's competitive advantages in ink formulation, printing, and use in targeting various diseases.

READ: Archer Exploration pursues quantum computing and

Price: 0.545

Market Cap: \$122.7 m

1 Year Share Price Graph



January 2020 July 2020 January 2021

Share Information

Code: AXE

Listing: ASX

52 week High Low
 0.815 0.12

Sector: Hardware & electrical equipment

Website: archerx.com.au

Company Synopsis:

Archer Materials Ltd (ASX:AXE) is a materials technology company developing and integrating materials in quantum computing, biotech and Li-ion batteries.

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resources projects

Archer chief executive officer Dr Mohammad Choucair said: "We are now capable of generating our own IP for commercial translation.

"The registration of the provisional patent is a vital step in implementing our commercial plans and in legally protecting our competitive advantages during development.

"It gives us up to 12 months to consider our commercial options prior to a full patent application.

"Importantly, we now have a timeline for commercialisation related to our maiden graphene-based biosensor technology in our human health vertical".

Next steps

A provisional patent provides a 12-month period for Archer to consider filing a full patent application with the benefit of having established the earliest possible priority date.

Over the next 12 months Archer will access dedicated technical development resources and infrastructure support from The University of Adelaide as part of the ARC Graphene Hub collaboration, to perform the value-added claims and embodiment verification in support of a robust patent application.

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