

30 August 2022



Directa Plus plc
("Directa Plus" or the "Company")

Notice of Allowance for US Patent

Directa Plus (AIM: DCTA), a leading producer and supplier of graphene nanoplatelets based products for use in consumer and industrial markets, announces that the Company has received a Notice of Allowance from the United States Patent and Trademark Office for the grant of a patent covering the Company's G+[®] embedded polyurethane membrane, developed explicitly for the textile industry, together with its production method and its applications. The patent, titled "Polyurethane film comprising graphene and preparation process thereof", has a priority date of 5 May 2017. The official grant, expected shortly, will follow on from the completion of the filing process.

G+[®] membranes are highly functional membranes that combine breathability and water protection with thermal and electrical conductivity. They provide superior thermal comfort by enhancing heat retention, due to high infrared absorption, while equalising it as a result of high in-plane thermal conductivity. They are electrically conductive, and the conductivity properties can be adjusted to confer antistatic behaviours for heating. Directa Plus' G+[®] membranes are non-toxic, non-cytotoxic, and safe against the skin. The membranes are used in apparel markets including the sportswear, workwear, military, luxury and accessories segments. In addition, they are being developed for use in the automotive, filtration and upholstery markets.

Following the official grant of the patent, Directa Plus's IP portfolio will comprise 20 patent families with 80 patents granted and 30 patents pending.

Commenting, Giulio Cesareo, Founder and CEO of Directa Plus, said: "Our core textile offering is generating considerable interest in the US market and therefore patent protection, and defence, in the territories in which we operate remains a fundamental part of our strategy to create value for shareholders."

For further information please visit <http://www.directa-plus.com/> or contact:

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About Directa Plus

Directa Plus (www.directa-plus.com) is one of the largest producers and suppliers of graphene-based products for use in consumer and industrial markets. The Company's graphene manufacturing capability uses proprietary patented technology based on a plasma super expansion process. Starting from natural graphite, each step of Directa Plus' production process – expansion, exfoliation and drying – creates graphene-based materials and hybrid graphene materials ready for a variety of uses and available in various forms such as powder, liquid and paste.

This proprietary production process uses a physical process, rather than a chemical process, to process graphite into pristine graphene nanoplatelets, which enables Directa Plus to offer a sustainable, non-toxic product, without unwanted by-products. Directa Plus' products are made of hybrid graphene materials and graphene nano-platelets. The products (marketed as G+[®]) have multiple applications due to its properties. These G+[®] products can be categorised into various families, with different products being suitable for specific practical applications.

Directa Plus was established in 2005 and is based in Lomazzo (Como, Italy) and has been listed on the AIM market of the London Stock Exchange since May 2016. The Company holds the Green Economy Mark from London Stock Exchange which recognises companies that contribute to the global green economy.

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