

14 March 2023

## US PATENT SECURED FOR SUSTAINABLE FIBRE TECHNOLOGY

### Highlights:

- **USPTO has granted Nanollose’s patent for ‘Methods for Producing a Viscose Dope from Microbial Cellulose’ (Patent No: US 11,597,779)**
- **First granted patent in the US market, and the first granted patent for Nanollose’s sustainable fibre technologies**
- **Joint PCT patent application with multinational partner Grasim Industries for global patent covering the production of high-tenacity lyocell fibre remains pending**

**Nanollose Limited (ASX: NC6) (“Nanollose”)** a leading bio-materials company, focused on commercialising scalable technology to create fibres and fabrics with minimal environmental impact, is pleased to advise it has been granted patent approval by the United States Patent and Trademark Office (USPTO) for the patent application titled ‘Methods For Producing a Viscose Dope from Microbial Cellulose’ (US Patent Number 11,597,779) (the ‘Patent’).

The successful application marks the Company’s first granted patent in the United States, and third globally. It is also the first relating specifically to the Company’s fibre technologies, and examination of this family of patents remains ongoing in other jurisdictions.

The Patent covers the pulping of microbial cellulose for use in the production of viscose fibres. While the Company’s primary focus is currently on the development of its Tree-Free nullarbor™ lyocell process, the US patent marks an important validation of Nanollose’s strategy to establish a broader leadership position in sustainable fibre technologies.

It also expands the Company’s IP footprint across its product suite and provides protection from potential competitors in the world’s largest consumer market.

Along with its three granted patents to-date, Nanollose filed a joint application with Grasim Industries, subsidiary of the multinational Indian conglomerate Aditya Birla Group and parent company of Birla Cellulose, Nanollose’s long-term research partner in the development of the Tree-Free Nullarbor™ lyocell process. The patent, titled ‘A High Tenacity Regenerated Cellulosic Fibre’ was filed globally via the Patent Cooperation Treaty (PCT) as WO 2022/153170A1 in January 2022 (refer to Quarterly Activities Report released 31 January 2022) .

Together with its existing granted and pending patents, the joint application with Birla Cellulose forms part of the Company’s targeted strategy to establish formal patent protection across its intellectual property portfolio.

Both parties remain committed to their long-term development partnership for the Nullarbor™ lyocell production process, which was formally established in January 2020.

## Management commentary:

**Executive Chairman Dr Wayne Best said:** *“We are pleased to confirm another patent granted for Nanollose’s suite of technologies, the first for our fibre technologies and the first in the US market. As well as expanding our international IP portfolio, formal approval from the USPTO marks another validation of the Company’s innovative technologies. With patent approval now secured in the US for our microbial cellulose process for viscose, we remain excited by our pending patent suite, which includes the joint patent application filed globally with our long-term research partner Birla Cellulose, in connection with the ongoing development of Nanollose’s Tree-Free nullarbor™ lyocell process. We look forward to providing more updates on that R&D program and other pending patent applications over the coming year.”*

**[ENDS]**

## AUTHORITY AND CONTACT DETAILS

This announcement has been authorised by the Board of Directors of Nanollose.

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## ABOUT NANOLLOSE

Nanollose Limited (ASX: NC6) is a leading biotechnology Company commercialising scalable technology to create fibres with minimal environmental impact. Nanollose uses an eco-friendly fermentation process to grow fibres that could become a sustainable alternative to conventional plant-derived cellulose fibres.

The Company’s process, which uses streams from various large-scale industries, including food and agriculture, has the ability to produce ‘Tree-Free’ Cellulose. Cellulose is the hidden polymer building block most consumers know nothing about, but forms a huge part of items used in their everyday life such as clothing, paper and hygiene products.

In January 2021, Nanollose filed a joint patent application with strategic partner, Birla Cellulose, for a high tenacity, Tree-Free lyocell made from microbial cellulose. In February 2022, Nanollose and Birla Cellulose completed the first pilot production of such a lyocell fibre when Birla Cellulose spun 260kg of forest-friendly Nullarbor-20™ fibre for Nanollose at their facilities in India. This fibre has since been sent to several collaborators and has been converted into yarns, fabrics, and garments for testing and evaluation, prior to potential uptake by partners.