

21 May 2024

INDIAN PATENT GRANTED FOR NANOLLOSE'S NULLARBOR™ LYOCELL FIBRE TECHNOLOGY

Highlights:

- **Approval granted by Indian Patent Office for patent application titled 'A High Tenacity Regenerated Cellulosic Fiber'.**
- **First granted patent for the Company's Nullarbor lyocell technology.**
- **The patent is jointly owned by Nanollose and Grasim Industries.**
- **In January 2020, Nanollose signed a Collaboration Agreement with Grasim Industries to exclusively develop, and commercialise Nanollose's Tree-Free fibres including Nullarbor™ and Nufolium™**
- **Grasim Industries is a company belonging to global conglomerate, Aditya Birla Group, one of the world's largest man-made cellulosic fibre producers.**
- **The technology has since been validated in three pilot production runs totalling over one tonne of fibre.**

Leading biomaterials company Nanollose Limited (ASX: NC6) ("Nanollose" or the "Company") is pleased to advise that its joint patent application with Grasim Industries titled 'A High Tenacity Regenerated Cellulosic Fiber' has been granted by the Indian Patent Office (Patent Number: 538440) (the "Patent").

The Patent relates to Nanollose's innovative Nullarbor™ lyocell fibre technology and considerably strengthens the Company's intellectual property portfolio. Related patent applications are still pending in other major jurisdictions and this grant by the Indian Patent Office augurs well for them.

In January 2020, Nanollose signed a Collaboration Agreement with Grasim Industries, a company belonging to global conglomerate, Aditya Birla Group, one of the world's largest man-made cellulosic fibre producers, to exclusively develop, and commercialise Nanollose's Tree-Free fibres including Nullarbor™ and Nufolium™ (see ASX announcement on 30 January 2020).

In January 2021 Nanollose and Grasim Industries filed a joint patent application (see ASX announcement on 13 January 2021) which resulted in this granted Patent.

The technology disclosed by the Patent has now been validated in three successful pilot production runs totalling over a tonne of fibre, namely 800kg of Nullarbor-20™, 150kg of Nullarbor-30™, and 100kg of Nufolium-20™. Quantities of these fibres have since been sent to several collaborators and been converted into yarns, fabrics, and garments for testing and evaluation, prior to potential uptake by partners.

Executive Chairman, Dr Wayne Best, said: *“We are delighted to confirm the granting of this pivotal patent for Nanollose. This is the first granted patent for our Nullarbor lyocell technology and the first with our fibre partner Grasim Industries. In addition to validating the novelty of our technology it provides protection from competition in India and further de-risks our collaboration with Birla Cellulose. We look forward to providing more updates on this patent family as it progresses through the patent system in other key markets.”*

[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 biomaterials company commercialising scalable technology to create fibres, fabrics and other novel materials with minimal environmental impact. Nanollose's, eco-friendly fermentation process can use agricultural waste and by-products to produce cellulose, a versatile raw material traditionally produced from trees via the wood pulping process. The company then uses this 'Tree-Free' cellulose as an input for its range of innovative biomaterials including its Nullarbor™ fibres, Biollose™ horticultural medium, and its emerging animal-free and plastic-free leather-like materials.

Nanollose filed a joint patent application with strategic partner, Birla Cellulose, for its high tenacity, Tree-Free Nullarbor lyocell fibre in 2021. Work has now moved out of the laboratory and into Birla Cellulose's pilot production facilities in India where we have completed three successful pilot production runs to date totalling over a tonne of fibre, 800kg of Nullarbor-20™, 150kg of Nullarbor-30™, and 100kg of Nufolium-20™. Quantities of these fibres have since been sent to several collaborators and been converted into yarns, fabrics, and garments for testing and evaluation, prior to potential uptake by partners.