Scandium Canada Ltd. files patent application for aluminium-scandium alloys for 3D printing

written by Raj Shah | September 23, 2024

September 23, 2024 (Source) – **Scandium Canada Ltd. (the "Company" or "Scandium Canada")** (**TSX VENTURE: SCD; OTCQB: SCDSCF**) is pleased to inform its shareholders and stakeholders of the filing with the United States Patent and Trademark Office of a provisional patent entitled "Aluminum alloy powders for additive manufacturing. Methods of producing the same and uses thereof".

In addition to advancing its Crater Lake scandium and rare earth project, Scandium Canada has developed two aluminum scandium (Al-Sc) alloys and their powders, specifically for additive manufacturing (3D printing) applications, in collaboration with McMaster University, Ontario, Canada. This has resulted in a significant body of intellectual property developed over the last 3 years.

Guy Bourassa, CEO: "We are very excited about this new step in the development of the Company. It confirms our objective to be recognized as a leader in the scandium markets, not only by developing the largest hard rock primary scandium project in the world but also by developing applications for scandium. Scandium is the metal of the future, and we are deeply engaged in its development and market growth. Over the next few months, Scandium Canada will explore options with commercial and research partners in Canada and abroad to monetize its 100% owned intellectual property to generate revenues and offtake

agreements separate from its mining activities."

Luc Duchesne, PhD. Chief Science Officer added, "The commercial emergence of aluminum powders in 3D printing represents a significant advancement in additive manufacturing technology. With the filing of patents such as the one by Scandium Canada Ltd., the potential for using aluminum alloy powders for 3D printing applications using aluminum scandium alloys has increased. This development creates new possibilities for manufacturing lightweight, high-strength components, particularly in aerospace, automotive, and maritime industries. 3D printing has the potential to revolutionize the way metal components are manufactured, offering greater design flexibility and efficiency in production processes."

Scandium Canada is thankful for the contribution of multiple collaborators over the last three years, particularly McMaster University.

ABOUT SCANDIUM CANADA

Scandium Canada is a Canadian technology metals company focused on the Al Sc (2%) Master Alloy and scandium oxide markets supported by its Crater Lake scandium and rare earth project in Québec.

For further information please contact:

Scandium Canada Ltd.
Guy BourassaChief Executive Officer
Phone: +1 (514) 360-0571 **Email:** info@scandium-canada.com Rebecca GrecoInvestor Relations**Phone:** +1 (416) 822-6483**Email:** fighouse@yahoo.com

Website: www.scandium-canada.com
Twitter: @ScandiumCanada **Facebook**: Scandium Canada Ltd.

LinkedIn: Scandium canada Ltd.
Instagram: @scandiumcanada

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