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# Freemelt granted patents in the US and Europe

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## – New method of removing powder in confined spaces

**Nasdaq First North-listed Freemelt – a high-tech growth company whose groundbreaking solution creates new conditions for rapid growth in 3D printing – has been granted patents in the US and Europe. The patents relate to a method of removing powder from parts, which enables industrial customers to manufacture more complex parts.**

In Freemelt's 3D printers, manufacturing takes place at elevated temperature to increase productivity and improve material properties. This means that powder grains in areas inside the manufactured part are sometimes stuck after manufacturing. The patents provide protection regarding a method of removing the powder stuck in, for example, cooling channels and other confined spaces. The method is generally applicable to products manufactured with competing 3D printers.

"This innovation increases the opportunities to use 3D printing technology in more application areas and can increase the competitiveness of our customers. Examples of this are heat exchangers that often have a lot of cavities that are difficult to access," says Ulric Ljungblad, co-founder, and CEO of Freemelt.

The patents are granted in the US and Europe and are validated in Sweden, Germany, and the UK. Protection for this extends until 26 March 2039 in all jurisdictions.

"Frost shattering is a force of nature that can grind down mountains, here we use the same simple principle to enable the cleaning of powders from complex details," says Robin Stephansen co-founder of Freemelt and inventor of this patent.

## Links to the patents

United States Patent and Trademark Office (USPTO): <https://uspto.report/patent/grant/11,298,880>

European Patent Office (EPO): <https://data.epo.org/publication-server/document?iDocId=6761557&iFormat=0>

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## Contacts

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## About Us

Freemelt is a high-tech company whose ground-breaking solution creates new opportunities for rapid growth in 3D printing, also known as additive manufacturing. The company's protected technology enables cost-effective printing to a consistent and high quality. By choosing an open-source solution, the conditions are created for strong growth and expansion towards manufacturing markets.

Freemelt was founded in 2017, is listed on Nasdaq First North Growth Markets, has 34 employees, head office in Gothenburg and a manufacturing unit in Linköping. Read more at [www.freemelt.com](http://www.freemelt.com).

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## Attachments

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