

# Creturner has applied for additional patents in the PCT on Co<sub>2</sub> decomposition for reactor technology and method

**Creturner has now filed a patent application in the PCT for its technical method to economically decompose Co<sub>2</sub> into solid carbon and oxygen. This new application expands the previously filed EPO patent application**

Creturner in co-operation with the respected patent firm Bjerken Hynell has prepared a patent application for a European patent through the EPO (European Patent Office) and has now gone ahead and extended the application within the PCT at the European Patent Office. A PCT application covers most of the world, with the exception of some countries in South America, Africa and Asia.

Previous patents in the field have been analysed and it has been assessed by patent experts and their chemical engineer that Creturner's process is innovative and does not infringe on existing patents. This application relates to Creturner's proprietary technology and method for continuously and industrially breaking down the gas Co<sub>2</sub> into solid carbon and oxygen.

The results produced have been analysed in a series of samples by the analytical company SGS Analytics Sweden AB in Linköping, which has verified that the carbon content amounts to at least 92.7% pure carbon.

International patent application (PCT) The Patent Cooperation Treaty, PCT, is an international agreement that provides the opportunity, with a single application, to have novelty examination and preliminary patentability assessment carried out by an authority for about 150 countries.

Extended information below

The way the technology works is proprietary, with respect to patenting, but the technology utilises heat at relatively low temperatures together with a metallic catalyst, which is thus not consumed, together with certain energy technologies to achieve the degrading effect. The results obtained have been analysed and documented by an external laboratory. The company will need to develop the technology further before it can be commercialised at scale and has identified further opportunities to decompose Co<sub>2</sub> in an environmentally friendly and economically viable way. The technology is the brainchild of the company's founder and chairman Daniel Moström.

Creturner intends to continue developing the reactor technology with the aim of both using it for its own purposes and also commercialising it. Creturner believes that there should reasonably be a significant market potential to break down the gas Co<sub>2</sub> into its components in an environmentally friendly and economical way. For example, today's investments in depositing Co<sub>2</sub> gas underground are not needed at all when applying Creturner's process.

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#### About Creturner Group

Creturner Group AB is a group with two business areas within environmental technology.

The digital part is a technical computing business that is expanding to strengthen its long-term potential and create a presence in the rapidly growing market for computing capacity. The company has its own facilities in Sweden with its own energy production to reduce raw material costs and environmental impact.

The environmental technology part offers corporate customers an efficient and permanent method to carbon offset their operations. The method is based on CDR (Carbon Dioxide Removal), which involves converting residual biomass into the element carbon and depositing it to reduce the amount of CO<sub>2</sub> in the atmosphere. Creturner's corporate customers can then purchase carbon offsets in the same way as traditional carbon offsets such as tree planting. Unlike tree planting, Creturner's method is immediate, permanent, and clearly measurable.

*This information is information that Creturner is obliged to make public pursuant to the EU Market Abuse Regulation. The information was submitted for publication, through the agency of the contact persons set out above, at 2024-05-31 12:45 CEST.*

#### Attachments

[Creturner has applied for additional patents in the PCT on Co<sub>2</sub> decomposition for reactor technology and method](#)