

Azelio is granted two patents for its long-duration energy storage technology

Azelio has two new patents published. The patents have been granted in the USA and China as well as in Sweden and are related to the function of the thermal energy storage and power conversion as well as the transfer of stored energy to electricity and heat generation. Azelio now has 16 granted patents and several patents under registration.

The patent granted in Sweden describes the energy storage system TES.POD's function of the thermal storage and the charging and discharging system as well as the power conversion unit. This patent protects Azelio's energy storage system TES.POD, which will be taken into volume production in September 2021, and will in the future be granted patents in additional countries for which the processes are ongoing.

The patent that has now been granted in the USA and China has previously been published in Sweden. The patent concerns the transfer of stored energy from the storage to the Stirling engine for electricity and heat generation. The USA and China are both significant markets for both the development of technology in renewable energy and for installations of energy storage.

“We are at the forefront of the development of energy storage and where patents are important in securing distance to competitors. It is gratifying to see the high level of innovation that exists within the company and the willingness to advance the technology and be at the forefront”, says Jonas Eklind, CEO of Azelio.

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About Azelio

Azelio specialises in energy storage with electricity and heat production. The technology is revolutionary in that the energy becomes dispatchable, making renewable energy available around the clock. The energy is stored in recycled aluminium from which it is converted into electricity and heat with a total efficiency of up to 90 %. The solution is scalable, sustainable, and cost-efficient from 0.1 MW up to 100 MW. Azelio has approximately 170 employees, is headquartered in Gothenburg, has production in Uddevalla (Sweden) and development centres in Gothenburg and Åmål (Sweden), as well as a presence in Stockholm, Beijing, Madrid and Ouarzazate (Morocco). Azelio is listed on Nasdaq Stockholm First North Growth Market with FNCA Sweden AB as Certified Adviser: +46(0)8-528 00 399, info@fnca.se. More about Azelio: www.azelio.com