

TC TECH receives patent approval in Sweden which expands the protection of the company's technology platform

TC TECH Sweden AB (publ) has received a patent approval in Sweden for the patent application "Method and arrangement for metal processing". The approval in Sweden is the first one regarding partial hardening and extends the patent protection for the company's general technology platform. The patent will be valid until the 3rd of July 2038.

TC TECH's technology platform makes it possible to use induction (electromagnetism) to heat up, emboss and cool down detailed objects made of plastic, or other materials, with high precision. This patent approval extends the patent protection for our technology to be valid for metal parts.

"This patent approval extends the patent protection for our technology platform to also cover hardening of metal where we can see a great potential for our technology. Regarding partial hardening there is an especially high demand to find methods which can enable both hardened and soft zones with high precision. Within automotive industry the press hardening is a fast-growing area, there existing technologies have limitations regarding effectiveness and precision. TC TECH's main focus is still the development of a production system for light guide plates, but in the future other areas will also be important for the company" says TC TECH CEO Alexander Luiga

Initially, TC TECH has developed a production system for the manufacturing of a new generation of light guide plates (LGPs) that can substantially reduce the energy consumption in edge-lit LCD displays, as well as improve the picture quality. Edge-lit LCD displays are used in the majority of all mobile phones, tablets, laptops, computer displays and TVs on the market today. TC TECH's technology platform also has the potential to be used within several additional application areas, of which hardening of metal is one.

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About TC TECH

TC TECH develops, manufactures and sells systems used for the replication of nano-structures in polymer products. The company's business operations are based on an IPR-protected induction technology developed by TC TECH's own R & D team. The technology makes it possible to heat and cool different kinds of material – in very short time, and with very high precision. The technology is well suited for polymers, and the company has chosen Light Guide Plates (LGP) as its initial focus. LGP is an acrylic panel that directs and diffuses the light emitted from the light source behind the display. TC TECH's system makes it possible to produce displays that are thinner, refracts light more efficiently while at the same time reducing energy consumption.

The TC TECH share is listed on Nasdaq First North. Erik Penser Bank is the company's Certified Adviser.