

Press release  
Stockholm, November 24, 2021

# Innovation from myFC approved by the European Patent Office

## – electrochemically operated valves optimize fuel cells

The European Patent Office announces that myFC has one of its patents approved in several countries. With the help of the electrochemically operated valve that the patent protects, it is possible to distribute the hydrogen gas individually to the fuel cells.

– It enables a cost-effective, individually adapted and more gentle operation, and provides better overall efficiency, says Sebastian Weber, technical manager at myFC.

When operating a system consisting of a plurality of fuel cells, combined in so-called FCAs (Fuel Cell Assembly), a common flow of hydrogen gas is distributed to the different cells.

The FCAs that are part of the same system naturally operate with a certain variation in working mode, for example due to variation in temperature – something that myFC's electronics handle to maximize the system's capacity.

– An additional optimization option is to be able to control the hydrogen flow individually for each FCA, says Sebastian Weber.

The patent that is now being approved for Europe applies to an electrochemically operated valve that can control the flow of hydrogen, and that can be implemented cost-effectively in the fuel cells of an FCA – with the same technology and production.

– The patented technology gives us additional opportunities to optimize our modular and scalable fuel cell solutions, says Sebastian Weber.

The valve solution can also be used in other contexts, and therefore has a possible outlet in a variety of other segments than fuel cells.

myFC's patent portfolio consists of more than 100 approved patents and ongoing patent applications.

*This disclosure contains information that myFC is obliged to make public pursuant to the EU Market Abuse Regulation (EU nr 596/2014). The information was submitted for publication, through the agency of the contact person, on 24-11-2021 08:00 CET.*

### For more information, please contact:

myFC Press Office

Mail: [press@myfc.se](mailto:press@myfc.se)

Phone: +46 (0) 70 789 07 40

### Certified Adviser:

Avanza Bank

Mail: [ca@avanza.se](mailto:ca@avanza.se)

Phone: +46 (0) 8 409 421 20

### About myFC

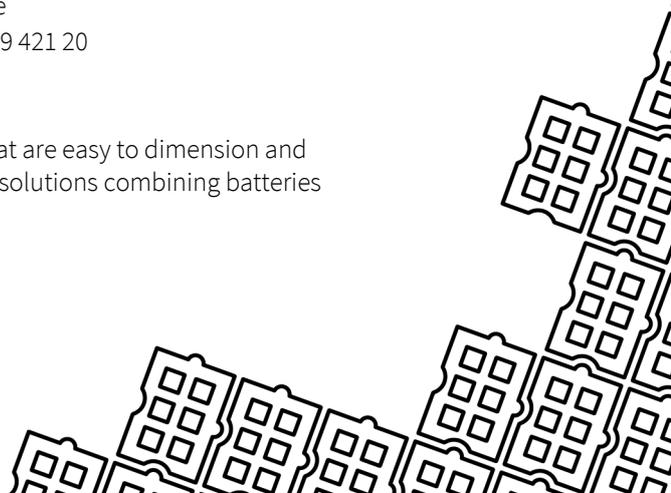
Swedish innovation company myFC offers thin, scalable fuel cells that are easy to dimension and adapt to any electric application. myFC develops hybrid technology solutions combining batteries

### myFC AB

[myfc.se](http://myfc.se) | [info@myfc.se](mailto:info@myfc.se)

**Headquarters:** Saltmätargatan 8A, SE-113 59 Stockholm

**Malmö office:** Stora Varvsgatan 6A, SE-211 19 Malmö





Press release  
Stockholm, November 24, 2021

and hydrogen-based micro fuel cells for extended usage and reduced carbon footprint. The company was founded in 2005 and was listed on Nasdaq First North Growth Market in 2014. Its headquarters are in Stockholm. For more information, visit [myFC.se](http://myFC.se)

**myFC AB**

[myfc.se](http://myfc.se) | [info@myfc.se](mailto:info@myfc.se)

**Headquarters:** Saltmätargatan 8A, SE-113 59 Stockholm

**Malmö office:** Stora Varvgatan 6A, SE-211 19 Malmö

