

NEW RMT PATENT

2021

RMT application about the manufacturing method of miniature cycling TECs is allowed by the United States Patent and Trademark Office for issuance as a patent.

Previously the RMT manufacturing technology of miniature cycling TECs was patented in Russia (Patent #2680675), Japan (Patent #6776381), Taiwan (Patent #I 683459), Korea (Patent #10-2170891) and Europe (Patent #3544068).

RMT is the first TEC manufacturer that offers miniature cycling TECs in which both ceramic plates are less than 20×20 mm² and the cross-sectional dimensions of the pellets are less than 1 mm². The developed unique technology allows producing TECs with extremely high reliability and durability to fast repeating temperature changes. RMT's cycling TECs have successfully passed the cycling tests with cycle quantity of 500 000.

The main application of the cycling TECs is medical equipment for polymerase chain reaction (PCR) machines used for DNA analysis, but RMT's cycling TECs can be used also for other applications that require high reliability, for example, aerospace, analytical and testing equipment, etc.

Please contact RMT concerning TECs for these applications, particularly for development and production of optimal TEC solutions.

Web-link:

<https://rmtltd.ru/company/news/details/?id=268>