



Friday, February 14, 2020

ASDevices - CLARIFICATIONS REGARDING LDETEK'S ALLEGEDLY NEW PRODUCTS

ASDevices' customers and the symposium manager have requested that we clarify and confirm the ownership of the intellectual properties (IP) related to these sensing and valve technologies.

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During the 23rd Annual Meeting of National Special Gases which took place on November 7, 2019 in Guiyan City, China, LDetek presented their allegedly "new available products". This presentation has caused confusion in the analytical community due to the important similarities between LDetek's allegedly new products and ASDevices' current product line and the apparent flaws and depth of LDetek's technical arguments and text descriptions.

ASDevices' customers and the symposium manager have requested that we clarify and confirm the owners of the intellectual properties (IP) related to these sensing and valve technologies.

Firstly, it is important to note that LDetek and ASDevices are entirely independent companies. ASDevices is a Canadian owned company and LDetek is a USA owned company.

ASDevices is the only company in the world to commercialise its patented plasma sensing technology using the stabilisation and electron injection electrodes principle which eliminates both plasma quenching and the filamentary phenomenon. This technology is known as Epd (Enhanced Plasma Discharge). Any other compa

claiming those core features, plasma stabilisation electrode, electron injection, is within ASDevices intellectual property world wide. ASDevices also offers a new patented compound electrode technology which allows to design and manufacture plasma cells with many different types of optical materials. The fact that different materials can be selected allows the technology to operate in the low/deep UV, visible, infrared (IR) spectrum as well as across a broad range of temperature and pressure. ASDevices believes in fair competition and takes pride in its innovation and therefore enforces its IP rights.

As to the reference in the presentation to LDetek's allegedly new "miniature rotary valve with actuator" technology, LDetek has confirmed that it was actually a reference to ASDevices' PLSV technology.

LDetek and its shareholders have also been put on notice that the claims they made with regard to their PlasmaDetek-X product in their presentation appear to infringe the new and proprietary features which differentiates ASDevices proven Enhanced Plasma Discharge (EPD) Detector from the older Plasma Emission Detector (PED) technology. LDetek confirmed to counsel for ASDevices on December 6, 2019, that the PlasmaDetek-X sensor mentioned in its presentation was in fact not commercially available contrary to what was stated during the LDetek presentation.

As a manufacturer of OEM products for the analytical market, ASDevices' products are available, not only to LDetek, but also to GC integrators of third-party products that desire to improve the robustness and performance of its analytical solutions.

We would like to thank the symposium planner and our Asian customers for asking clarification about this situation.

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List of ASDevices patents related to the plasma technology.

Note: ASDevices apply for patents in Canada, USA, Europe, China and Japan. ASDevices have filed and own a total of 16 world wide patents.

1. MULTI-MODE PLASMA-BASED OPTICAL EMISSION GAS DETECTOR
2. DISCHARGE-BASED PHOTO IONISATION DETECTOR FOR USE WITH A GAS CHROMATOGRAPHY SYSTEM
3. EMISSION-BASED DETECTOR FOR CAPILLARY GAS CHROMATOGRAPHY
4. ELECTRIC DISCHARGE-BASED DETECTOR AND METHODS USING THE SAME FOR MEASURING AND MONITORING PROPERTIES OF A GAS
5. METHOD AND APPARATUS FOR ANALYSING A GAS CHROMATOGRAPHY ELUTION PEAK
6. ELECTRODE ASSEMBLIES FOR PLASMA DISCHARGE DEVICES
7. SYSTEMS AND METHODS FOR TESTING FOR A GAS LEAK THROUGH A GAS FLOW COMPONENT