



Online Capillary Electrophoresis Instrument

THE PROBLEM

The demand on rapid online monitoring of environmental or process samples and the need to measure concentrations of individual compounds in process flow requires development of a device with high analysis speed and versatile analysis options.

THE INVENTION

Online CE System is a new capillary electrophoresis instrument for online monitoring of industrial processes. It provides an easy to maintain and rapid method for determination of ionic levels in the processes. It is universally applicable to both anion and cation analysis and can be tailored to any online process application.

THE SOLUTION

The Online CE System consists of analytical hardware and software units; both installed in a compact module. The System can be placed directly on-site of a pilot plant or other industrial process unit.

VTT is looking for an industrial partner to commercialize the invention.

VTT produces research services that enhance international competitiveness of companies, society and other customers at all stages of their innovation process, and thereby creates the prerequisites for growth, employment and wellbeing.

VTT promotes the realisation of innovative solutions and new businesses by foreseeing the future needs of its customers already in strategic research.

With its 2,700 employees, VTT is the largest research organization in Northern Europe. VTT's Ventures operation creates profitable and growing technology and wellbeing as well as more effective use of VTT produced Intellectual Property Rights.

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