

Title (en)

Improvement of a method of mass analyzing a sample.

Title (de)

Methode zur Massenanalyse einer Probe.

Title (fr)

Amélioration d'une méthode d'analyse par spectrométrie de masses.

Publication

**EP 0362432 A1 19900411 (EN)**

Application

**EP 88116599 A 19881007**

Priority

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Abstract (en)

In a method of mass analysing a sample, an electrical field condition is produced within a QUISTOR suited to simultaneously trap sample ions over an entire mass range of interest. Sample ions are provided within the QUISTOR whereby ions having masses comprised in a certain mass range are trapped and perform ionmass-specific secular movements therein. Specific ions which have masses of no interest encounter resonance, take up energy and thereby increase their secular movement until they finally leave the trapping field. The ions remaining in the storage field are then mass analysed. The density of the ions remaining in the storage field may be increased until an optimum is reached with respect to receiving a signal during the mass analysis step which is both powerful and highly resolved.

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**H01J 49/42**

IPC 8 full level

**H01J 49/42** (2006.01)

CPC (source: EP)

**H01J 49/424** (2013.01); **H01J 49/4285** (2013.01)

Citation (search report)

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