

Title (en)

Mass spectrometry systems.

Title (de)

Massenspektrometriesystem.

Title (fr)

Dispositif pour la spectrométrie de masse.

Publication

**EP 0551999 A1 19930721 (EN)**

Application

**EP 93300131 A 19930108**

Priority

GB 9200901 A 19920116

Abstract (en)

A mass spectrometry system comprises a magnetic sector (MS) mass analyser (20) and a time-of-flight (TOF) mass analyser (50) arranged in tandem. The TOF mass analyser (50) comprises an ion mirror having the property that the flight time of an ion through the ion mirror depends on the mass-to-charge ratio of the ion, but is entirely independent of its energy. The mass spectrometry system can be used to analyse the mass spectrum of daughter ions derived from a parent ion of preselected mass. <IMAGE>

IPC 1-7

**H01J 49/40**

IPC 8 full level

**H01J 49/40** (2006.01)

CPC (source: EP)

**H01J 49/004** (2013.01); **H01J 49/30** (2013.01); **H01J 49/405** (2013.01)

Citation (search report)

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- [A] WO 8304187 A1 19831208 - RESEARCH CORP [US]
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- [YD] 37TH ASMS CONFERENCE ON MASS SPECTROMETRY AND ALLIED TOPICS 26 May 1989, FLORIDA pages 1021 - 1022 D. H. RUSSEL 'A HIGH SENSITIVITY / HIGH RESOLUTION TANDEM MASS SPECTROMETER FOR HIGH MASS BIOMOLECULES'
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 251 (E-348)8 October 1985 & JP-A-60 101 851 ( ISHIHARA MORIO ) 5 June 1985

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