

Title (en)  
MASS SPECTROMETER

Publication  
**EP 0002430 B1 19810812 (DE)**

Application  
**EP 78100261 A 19780628**

Priority  
DE 2754685 A 19771208

Abstract (en)  
[origin: US4230943A] A mass spectrometer, including an ion source, a mass filter and at least one ion detector, wherein the mass filter and ion detector are not arranged in alignment but are laterally staggered. Between the mass filter and the ion detector, there is arranged an elongated electrostatic, essentially cylinder-shaped, radial guide field. This guide field guides the ions with a velocity component which extends axially to the guide field in elliptical helical paths about its axis toward the input of the ion detector.

IPC 1-7  
**H01J 49/22**

IPC 8 full level  
**H01J 49/42** (2006.01)

CPC (source: EP US)  
**H01J 49/0095** (2013.01 - EP US); **H01J 49/025** (2013.01 - EP US); **H01J 49/062** (2013.01 - EP US)

Cited by  
GB2147140A

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BE FR GB NL SE

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**EP 78100261 A 19780628**; DE 2754685 A 19771208; US 95841478 A 19781107