

Title (en)
Quadrupole mass filter.

Title (de)
Quadrupolmassenfilter.

Title (fr)
Filtre de masse quadrupolaire.

Publication
EP 0217644 A2 19870408 (EN)

Application
EP 86307396 A 19860925

Priority
US 78251285 A 19851001

Abstract (en)
An unbalanced radio frequency voltage is supplied between two pairs of conductive rods (10a, 10c; 10b, 10d) of a quadrupole mass filter of a mass spectrometer system. Means (S2) are provided for d.c. voltage polarity reversal for monitoring positive and negative ions. The d.c. voltage is derived by rectification of the radio frequency voltage.

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CPC (source: EP)
H01J 49/0095 (2013.01); **H01J 49/4215** (2013.01)

Cited by
US6028308A; WO9822972A1; WO2007131146A3; US7847241B2; US7491931B2

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EP 86307396 A 19860925; CA 519373 A 19860930; DE 3678085 T 19860925; JP 23426286 A 19861001