

Title (en)  
MASS SPECTROMETER

Title (de)  
MASSENSPEKTROMETER

Title (fr)  
SPECTROMETRE DE MASSE

Publication  
**EP 2013895 A2 20090114 (EN)**

Application  
**EP 07732622 A 20070430**

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Abstract (en)  
[origin: WO2007125354A2] An ion guide or mass analyser (2) is disclosed comprising a plurality of electrodes (2a) having apertures through which ions are transmitted in use. A pseudo-potential barrier is created at the exit of the ion guide or mass analyser (2). The amplitude or depth of the pseudo-potential barrier is inversely proportional to the mass to charge ratio of an ion. One or more transient DC voltages (4) are applied to the electrodes (2a) of the ion guide or mass analyser (2) in order to urge ions along the length of the ion guides or mass analyser (2). The amplitude of the transient DC voltage (4) applied to the electrode (2a) may be increased with time so that ions are caused to be emitted from the ion guide or mass analyser (2) in reverse order of their mass to charge ratio.

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Cited by  
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