

Title (en)

Large aperture, low flight-time distortion detector for a time-of-flight mass spectrometer

Title (de)

Detektor für Flugzeit-Massenspektrometer mit geringen Flugzeitfehlern bei gleichzeitig grosser Öffnung

Title (fr)

Détecteur pour spectromètre de masse à temps de vol présentant des distorsions réduites des temps de vols à ouverture élevée

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0633601A2] If ions transverse inhomogenous fields in the detector of a time-of-flight mass spectrometer, the case can arise that different flight paths (11) require different times from the entry window up to the ion-electron conversion surface (3). These flight-time distortions can be reduced by suitable deformation of the conversion surface (3). <IMAGE>

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