

Title (en)

Apparatus for collecting charged particles on the focal plane of a charged particle dispersion apparatus.

Title (de)

Vorrichtung zur Zählung geladener Teilchen auf der Fokalebene eines Teilchendispersionsgeräts.

Title (fr)

Dispositif de collection de particules sur le plan de masse d'un appareil de dispersion de particules chargées électriquement.

Publication

**EP 0509887 A1 19921021 (FR)**

Application

**EP 92401010 A 19920410**

Priority

FR 9104627 A 19910416

Abstract (en)

The device includes several collectors (11) juxtaposed along the focal plane (2) of the dispersion apparatus. Each collector is coupled to a detection device (16i) by way of an electrostatic sector (14i) whose angle of curvature (  $\phi$  ) is approximately equal to the angle of inclination of the focal plane with respect to the axis of the particle beam arriving on the focal plane (2) in order to erect the axis of the particle beam perpendicularly to the focal plane (2). Applications: mass spectrometers. <IMAGE>

IPC 1-7

**H01J 49/22**

IPC 8 full level

**G01N 27/62** (2006.01); **H01J 49/02** (2006.01); **H01J 49/30** (2006.01)

CPC (source: EP)

**H01J 49/025** (2013.01)

Citation (search report)

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- [A] NUCLEAR INSTRUMENTS AND METHODS. vol. 139, Décembre 1976, AMSTERDAM NL pages 73 - 78; R WAGNER: 'A VARIABLE GEOMETRY MULTIPOCKET COLLECTOR FOR ELECTROMAGNETIC SECTOR SEPARATORS'

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