

Title (en)

TIME-OF-FLIGHT MASS SPECTROMETER WITH POSITION-SENSITIVE DETECTION

Title (de)

FLUGZEIT-MASSENSPEKTROMETER MIT POSITIONSENSITIVER DETEKTION

Title (fr)

SPECTROMETRE DE MASSE A TEMPS DE VOL AVEC DETECTEUR SENSIBLE A LA POSITION

Publication

**EP 0858674 B1 20010530 (DE)**

Application

**EP 96937307 A 19961031**

Priority

- DE 19541089 A 19951103
- EP 9604732 W 19961031

Abstract (en)

[origin: DE19541089A1] The disclosure relates to a time-of-flight mass spectrometer with position-sensitive detector (20) for determining the energy and momentum of photo-dissociated ions. The detector (20-24) has one or more electron multipliers (21, 22) and an anode matrix (23) located behind the electron multipliers and used for determining the point of impact of the ions. The time-of-flight mass spectrometer has a device (30, 33) for determining the time of flight of the ions.

IPC 1-7

**H01J 49/02**; H01J 49/40

IPC 8 full level

**H01J 49/02** (2006.01); **H01J 49/40** (2006.01)

CPC (source: EP US)

**H01J 49/025** (2013.01 - EP US); **H01J 49/40** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**DE 19541089 A1 19970507**; DE 59607015 D1 20010705; EP 0858674 A1 19980819; EP 0858674 B1 20010530; US 6031227 A 20000229; WO 9717718 A1 19970515

DOCDB simple family (application)

**DE 19541089 A 19951103**; DE 59607015 T 19961031; EP 9604732 W 19961031; EP 96937307 A 19961031; US 6807598 A 19980817