

Title (en)

Atmospheric-pressure ionization device and method for analysis of a sample

Title (de)

Atmosphärendruck-Ionisationsvorrichtung und Probenanalyseverfahren

Title (fr)

Dispositif d'analyse à ionisation à pression atmosphérique et méthode d'analyse d'échantillons associée

Publication

EP 1193730 A1 20020403 (EN)

Application

EP 00810890 A 20000927

Priority

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Abstract (en)

The atmospheric-pressure ionization device for connection to an analysis device especially a mass analysis device, comprising: a) an atmospheric-pressure ionization chamber; b) a passageway configured for delivery of ions to the analysis device; c) a sample support positioned within said ionization chamber; d) a matrix placed on said support and containing an analyte; e) a laser for directing laser energy to said sample and to induce ionization of said analyte to form analyte ions; f) means for directing at least a portion of said ionized analyte into said passageway. The sample support comprises a tube configured for delivery of the sample to an exit of the capillary. The laser is directed to said exit to induce ionization of said analyte at said exit. The sample is flowing through the tube to said exit. The tube is preferably a capillary tube. <IMAGE>

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H01J 49/04

IPC 8 full level

H01J 49/04 (2006.01)

CPC (source: EP)

H01J 49/0404 (2013.01); **H01J 49/0431** (2013.01); **H01J 49/164** (2013.01)

Citation (search report)

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