

Title (en)

APPARATUS AND METHODS FOR USE IN THE MASS ANALYSIS OF CHEMICAL SAMPLES

Publication

**EP 0211645 A3 19871028 (EN)**

Application

**EP 86306004 A 19860804**

Priority

- US 76781985 A 19850821
- US 76782085 A 19850821

Abstract (en)

[origin: EP0211645A2] A probe for supporting a sample in an ion source of a mass spectrometer is arranged to receive a continuous supply of liquid containing a sample to be analysed, which sample may, or may not, change with time. The probe can comprise a target formed by a copper probe tip 18 and the liquid sample can pass, for example, through a fine bore 18a of the tip, on to the end surface of the tip where it is held as a droplet by surface tension. In order to replenish the droplet surface, liquid sample can be supplied, for example via capillary tubing 14 from a syringe 11, to the inlet end of the bore in the probe tip.

IPC 1-7

**G01N 27/62**; **H01J 49/04**; **H01J 49/14**

IPC 8 full level

**G01N 23/225** (2006.01); **H01J 49/04** (2006.01); **H01J 49/14** (2006.01)

CPC (source: EP)

**H01J 49/0404** (2013.01); **H01J 49/0436** (2013.01); **H01J 49/14** (2013.01); **H01J 49/142** (2013.01)

Citation (search report)

- [Y] GB 2050686 A 19810107 - HEWLETT PACKARD CO
- [Y] GB 2091937 A 19820804 - NAT RES DEV
- [A] FR 1512509 A 19680209 - CSF
- [A] US 4209696 A 19800624 - FITE WADE L [US]
- [AD] ANALYTICAL CHEMISTRY, vol. 57, no. 6, May 1985, pages 1153-1155; J.S. BRODBELT et al.: "An exceedingly simple mass spectrometer interface with application to reaction monitoring and environmental analysis"

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