

Title (en)
COMPACT MASS SPECTROMETER

Title (de)
KOMPAKTES MASSENSPEKTROMETER

Title (fr)
SPECTROMÈTRE DE MASSE COMPACT

Publication
EP 2939255 A1 20151104 (EN)

Application
EP 12813735 A 20121231

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Abstract (en)
[origin: WO2014105089A1] Mass spectrometers and methods for measuring information about samples using mass spectrometry are disclosed. The mass spectrometers include an ion source, an ion trap, an ion detector, and a gas pressure regulation system, where during operation of the mass spectrometers, the gas pressure regulation system is configured to maintain a gas pressure of between 100 mTorr and 100 Torr in at least two of the ion source, the ion trap, and the ion detector, and the ion detector is configured to detect ions generated by the ion source according to a mass-to-charge ratio of the ions.

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