

Title (en)
ION EXTRACTION DEVICES AND METHODS OF SELECTIVELY EXTRACTING IONS

Title (de)
IONENEXTRAKTIONSEINRICHTUNGEN UND VERFAHREN ZUR SELEKTIVEN EXTRAKTION VON IONEN

Title (fr)
DISPOSITIFS D'EXTRACTION D'IONS ET PROCEDES D'EXTRACTION SELECTIVE D'IONS

Publication
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Application
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Abstract (en)
[origin: WO2005067000A3] There is disclosed a method of selectively extracting ions comprising the steps of: providing a supply of ions in a body of gas; generating a ponderomotive ion trapping potential generally along an axis; generating further potentials to provide an effective potential which prevents ions from being extracted from an extraction region; trapping ions in said effective potential; and selectively extracting ions of a predetermined m/z ratio or ion mobility from the extraction region; in which the characteristics of the effective potential which prevent ions from being extracted from the extraction region are caused, at least in part, by the generation of the ponderomotive effective ion trapping potential.

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Cited by
US9589776B2; WO2016149658A1; WO2015173562A1; WO2012141771A1; US8299443B1; US10861687B2

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