

Real-Time Ion Trap Mass Spectrometry of Ultra High Mass Species

Disclosure Number

200100974

Technology Summary

Comprises the combined use of digitally generated trapping and guide potentials with the use of a high pressure bath gas to thermalize or slow down the translational energy distribution of the high mass species so that they can be collimated and electrostatically trapped and analyzed. The use of the digitally generated (frequency variable) fields allow an enormous range of masses to be analyzed by standard ion trap techniques.

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