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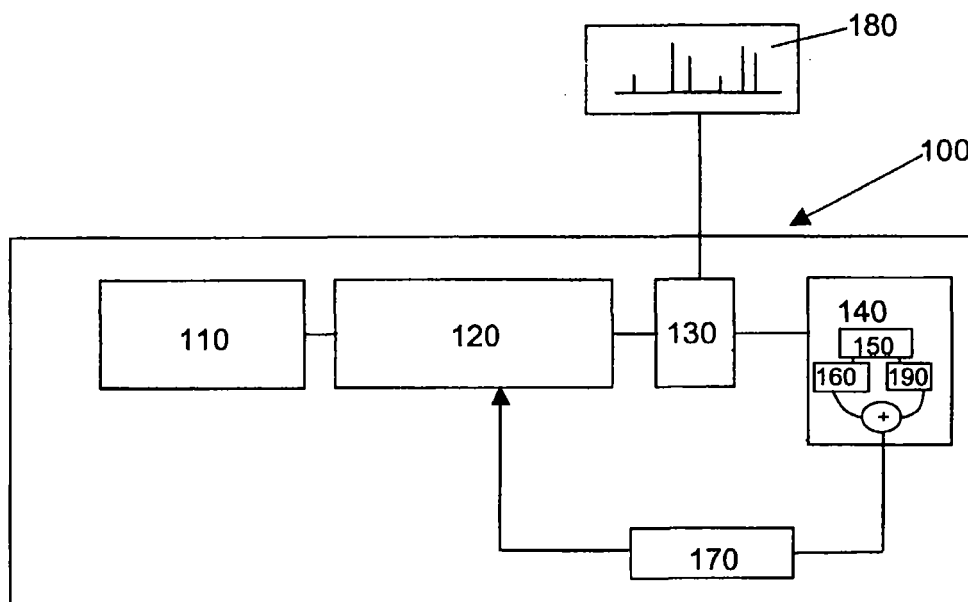
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(54) Title: **MASS SPECTROMETER WITH IMPROVED MASS ACCURACY**



(57) Abstract: Mass spectrometers, and methods and apparatus, including computer program products, for operating the same, implement techniques for measuring mass of one or more analyte ions with high mass accuracy. The techniques include a calibration procedure that includes multiple calibration steps to account for system non-linearities. Components of a control system can be disposed in a thermally-controlled environment on a printed circuit board.

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