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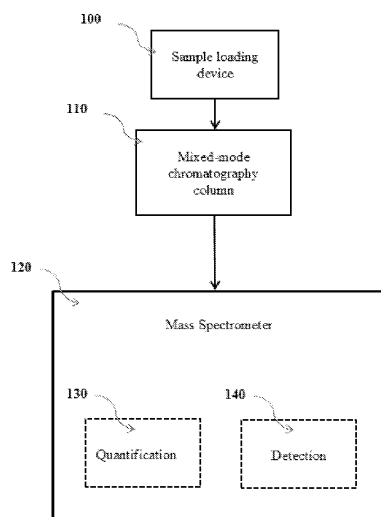
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(54) Title: METHOD AND SYSTEM OF IDENTIFYING AND QUANTIFYING ANTIBODY FRAGMENTATION

FIG. 3



(57) Abstract: Methods for identifying and quantifying antibody fragments and identifying the site of fragmentation on an antibody in a sample comprising the steps of loading a sample including fragments of the antibody into a chromatography system having a mixed-mode size-exclusion stationary phase (110), washing said mixed-mode size-exclusion stationary phase using a mobile phase to provide an eluent comprising said fragments, determining the molecular weight of said fragments using a mass spectrometer (120), and correlating said molecular weight to known protein standards.

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