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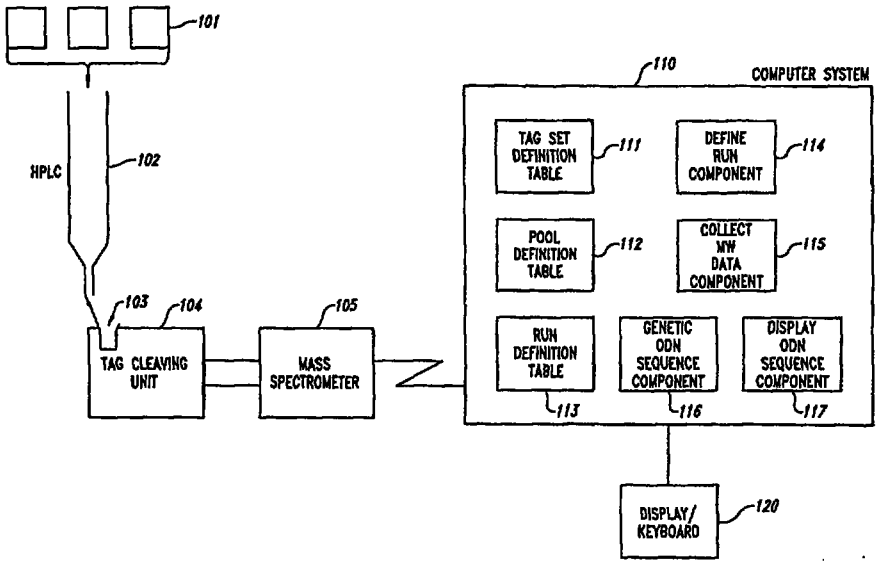
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(54) Title: COMPUTER METHOD AND SYSTEM FOR CORRELATING SEQUENCING DATA BY MS



(57) Abstract

A method and system for correlating characteristics (e.g., type of nucleotide) of biomolecules (*e.g., DNA*) to molecular tags with unique molecular weights that are associated with the biomolecule. In one embodiment, the molecular tags are applied to primers used when synthesizing the biomolecule. The system initially receives a mapping of each characteristic of the biomolecules to the corresponding molecular weight of the molecular tag. The system also receives an indication of the molecular weights detected when analyzing the biomolecules to which the molecular tags have been associated. For each molecular weight detected, the system determines based on the received mapping the characteristic corresponding to the detected molecular weight. The system then indicates that the analyzed biomolecules has the determined characteristic.