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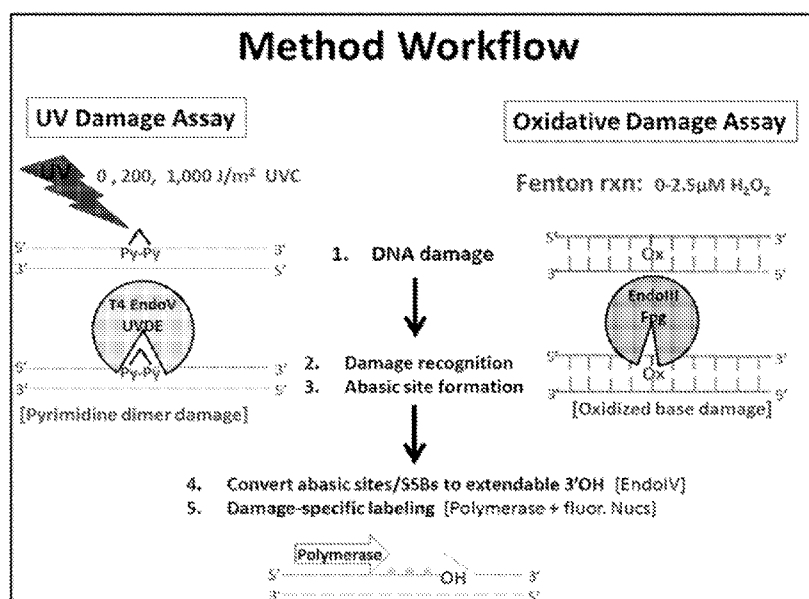
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(54) Title: SYSTEMS AND METHODS FOR ASSESSING BIOMOLECULE CHARACTERISTICS

Figure 2



(57) Abstract: Provided are methods and systems for assessing the presence and extent of damage on a polynucleotide. The methods include incorporating a label at the site of the damage and imaging the label to determine the presence and extent of the damage. The systems include devices capable of performing damage assessment on single molecules.



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