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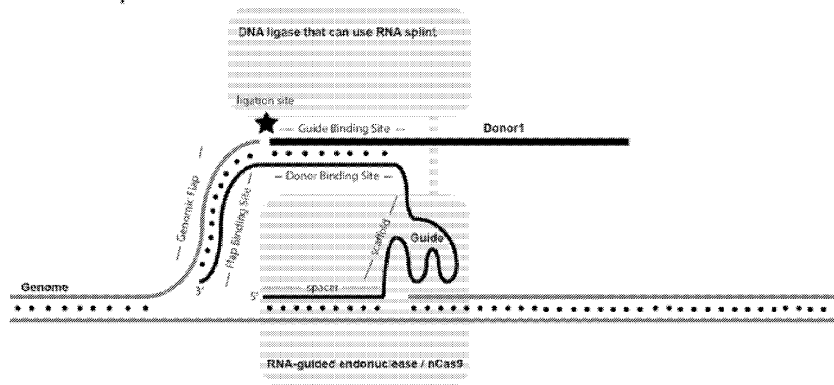
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(54) Title: DIRECT REPLACEMENT GENOME EDITING

Fig. 1A

1-sided Replacer 1



(57) Abstract: Described herein are compositions, systems, and methods for nucleic acid editing. The editing may be accomplished using a ligase coupled to an endonuclease. The nucleic acid editing may include ligation of an integrating nucleic acid to a target nucleic acid. The nucleic acid editing may include replacement of a portion of the target nucleic acid with the integrating nucleic acid.

[Continued on next page]

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