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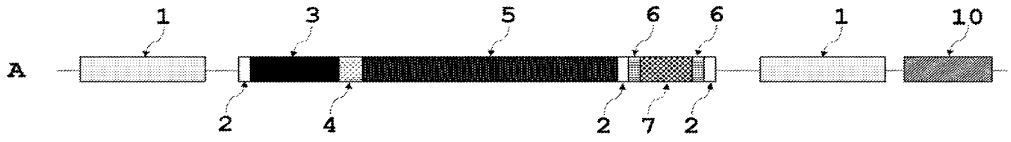


FIG. 1

(57) Abstract: The present invention relates to methods and compositions for modifying a target site in the genome of a cell. Fusion proteins including one or more DNA binding domains and one or more heterologous domains, such as DNA modifying domains, connected by improved linker sequences are provided. Codon optimized polynucleotides encoding fusion proteins including one or more DNA binding domains and one or more heterologous domains connected by improved linker sequences are provided.

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