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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) Title: TAGGED CHIMERIC EFFECTOR MOLECULES AND RECEPTORS THEREOF

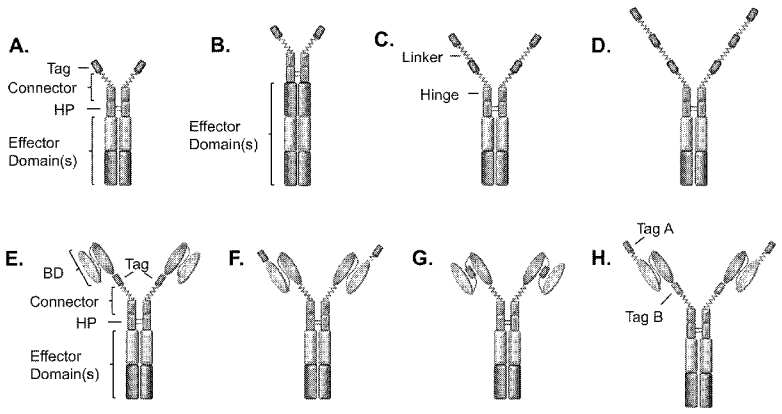


Fig. 1

(57) Abstract: The present disclosure relates to tagged chimeric effector molecules and receptor molecules thereof for genetically engineering a host cell, wherein the recombinant host cell can be identified, isolated, sorted, induced to proliferate, tracked or eliminated using the tag. An exemplary receptor molecule is a chimeric antigen receptors (CARs) having an extracellular domain comprising a binding domain for a target, a hinge region and a tag cassette, a hydrophobic portion as a transmembrane domain and, an intracellular part with an effector domain. An exemplary target is CD19, an exemplary tag is a Step-tag. T cells recombinantly modified for expression of such molecules may be used in adoptive immunotherapy.

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