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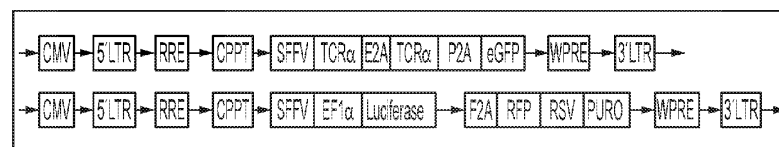


FIG. 1

(57) Abstract: Major histocompatibility complex-based chimeric receptors (MHC-CAR) for use in targeting autoreactive immune cells. Also provided herewith are genetically engineered immune cells expressing the MHC-CAR for use in treating autoimmune diseases such as multiple sclerosis.



WO 2019/094847 A1