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(54) Title: CAR T CELLS FOR TREATING CD19+, CD20+ OR CD22+ TUMORS OR B-CELL DERIVED AUTO-IMMUNE DISEASES

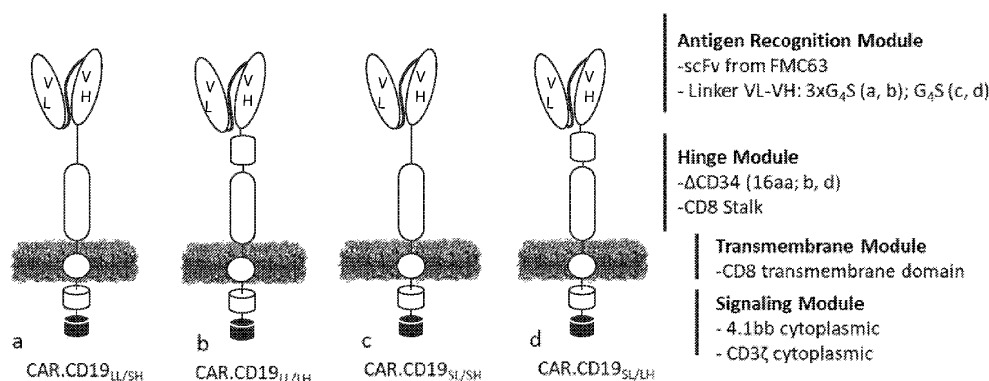


Fig. 6A

(57) **Abstract:** The present invention concerns powerful CAR T cells for treating CD19+, CD20+ OR CD22+ tumors, such as leukemia and lymphoid malignances, which provide increased safety in the therapy of said tumors and prevent epitope masking in CAR+ B-cell leukemia blasts, said CAR T cells being able to decrease the potential risk of CD19-/CAR+, CD20-/CAR+ or CD22-/CAR+ leukemic relapse. In addition, CAR T cells according to the present invention provides increased safety also in the treatment of autoimmune diseases caused by B cells producing auto-antibodies.

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