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(54) Title (EN): ANTIGEN SPECIFIC CD19-TARGETED CAR-T CELLS

(54) Title (FR): CELLULES CAR-T CIBLÉES PAR UN ANTIGÈNE CD19 SPÉCIFIQUE

(57) Abstract:

(EN): Disclosed are compositions and methods for targeted treatment of cancer, such as hematologic cancer. In particular, chimeric antigen receptor (CAR) T cells are disclosed that can be used with adoptive cell transfer to target and kill cancer cells with reduced antigen escape. Therefore, also disclosed are methods of providing an anti-tumor immunity in a subject with hematologic cancer that involves adoptive transfer of the disclosed CAR T cells.

(FR): La présente invention concerne des compositions et des méthodes de traitement ciblé de cancers, notamment le cancer hématologique. En particulier, l'invention concerne des cellules T à récepteurs antigéniques chimériques (CAR) qui peuvent être utilisés dans le transfert adoptif de cellules pour cibler et éliminer des cellules cancéreuses avec un échappement antigénique réduit. L'invention concerne par ailleurs des procédés consistant à conférer une immunité anti-tumorale à un sujet atteint d'un cancer hématologique impliquant un transfert adoptif des cellules CAR-T décrites.

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Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America