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(71) Applicant: **BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 210 West 7th St., Austin, Texas 78701 (US).

(72) Inventors: **REZVANI, Katy**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US). **ACHARYA, Sunil**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US). **MERIC-BERNSTAM, Funda**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US). **UPRETY, Nadima**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US). **BASAR, Rafet**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US). **MARIN COSTA, David**; c/o U.T.M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, Texas 77030 (US).

(74) Agent: **BRUNER, J. Kyle**; Norton Rose Fulbright US LLP, 98 San Jacinto Blvd., Suite 1100, Austin, Texas 78701 (US).

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(54) Title: CHIMERIC ANTIGEN RECEPTOR TO TARGET TROP-2-POSITIVE CANCERS

(57) Abstract: Embodiments of the disclosure include methods and compositions related to targeting of TROP-2-expressing cells with particular engineered receptors. In specific embodiments, NK cells are specifically engineered to bind TROP-2 using particular chimeric antigen receptor constructs. In certain embodiments, vectors that express the TROP-2-targeting CARs also express a particular suicide gene and/or one or more particular cytokines.