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(54) Title: COMPOSITIONS AND METHODS FOR GENERATING CHIMERIC HETEROMULTIMERS

(57) Abstract: The present invention provides a technique for specific assembly of monomericpolypeptides to form a heteromultimer. This technique is particularly useful for generatinga genetically diverse repertoire of heteromultimers such as antigen-binding units. Theinvention also provides both non-single-chain and single-chain antigen-binding units thatare assembled by the technique described herein. The present invention also provides recombinant polynucleotides, vectors, host cells, and kits for producing the subjectantigen-binding units. Further provided by the invention are methods of using thesubject antigen-binding units.