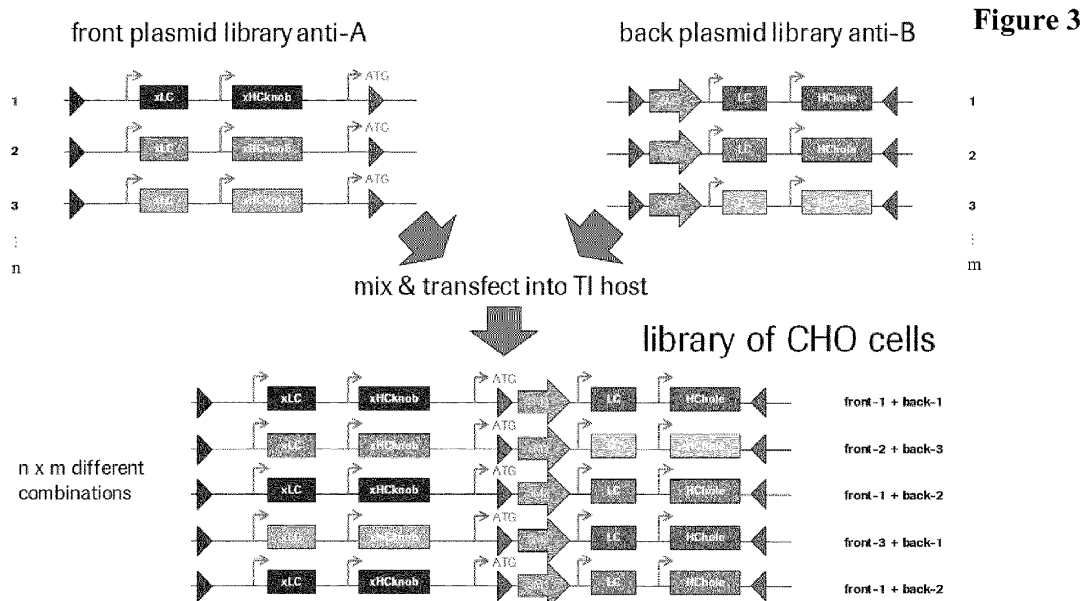




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(54) **Title:** MULTISPECIFIC ANTIBODY SCREENING METHOD USING RECOMBINASE MEDIATED CASSETTE EXCHANGE



(57) **Abstract:** Herein is reported a method for preparing a recombinant host cell library expressing bispecific antibodies using targeted integration into a host cell comprising an exogenous nucleotide sequence integrated at a site within a locus of the genome of the host cell, wherein the exogenous nucleotide sequence comprises a first and a second recombination recognition sequence flanking at least one first selection marker, and a third recombination recognition sequence located between the first and the second recombination recognition sequence, and all the recombination recognition sequences are different whereby the host cell is transfected with a library of first vectors each comprising two recombination recognition sequences matching the first and the third recombination recognition sequence on the integrated exogenous nucleotide sequence and flanking two exogenous nucleotide sequences and at least one second selection marker, and a library of second vectors each comprising two recombination recognition sequences matching the second and the

[Continued on next page]

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third recombination recognition sequence on the integrated exogenous nucleotide sequence and flanking at least two further exogenous nucleotide sequences; wherein one of the four exogenous nucleotide sequences encode a first light chain, one a second light chain, one a first heavy chain and one a second heavy chain of the bispecific antibody..