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(54) Title: DIRECTED GENETIC MODIFICATIONS OF HUMAN STEM CELLS

(57) Abstract: Human embryonic stem cells can be genetically transformed by a combination of electroporation and homologous recombination. This technique makes it possible to create targeted inserts or deletions to the genome of the stem cells. This ability makes it possible to create populations of progeny cells which have differentiated into a target cell type of a specific desired lineage.

WO 2004/072251 A3