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(71) Applicant: **DNA TWOPOINTO INC.** [US/US]; 37950 Central Court, Newark, California 94560 (US).

(72) Inventors: **MINSHULL, Jeremy**; 679 Los Ninos Way, Los Altos, California 94022 (US). **GOVINDARAJAN, Sridhar**; 973 Campbell Avenue, Los Altos, California 94024 (US). **LEE, Maggie**; 2831 Buena Knoll Court, San Jose, California 95121 (US).

(74) Agent: **LIEBESCHUETZ, Joe** et al.; Alston & Bird LLP, Bank of America Plaza, 101 South Tryon Street, Suite 4000, Charlotte, North Carolina 28280-4000 (US).

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(54) Title: TRANSPOSITION OF NUCLEIC ACID CONSTRUCTS INTO EUKARYOTIC GENOMES WITH A TRANSPOSASE FROM AMYELOIS

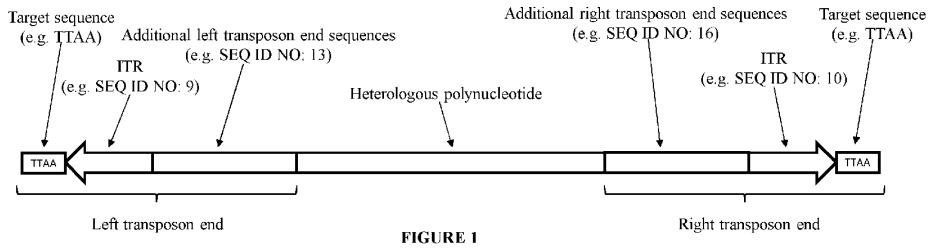


FIGURE 1

(57) Abstract: The present invention provides polynucleotide vectors for high expression of heterologous genes. Some vectors further comprise novel transposons and transposases that further improve expression. Further disclosed are vectors that can be used in a gene transfer system for stably introducing nucleic acids into the DNA of a cell. The gene transfer systems can be used in methods, for example, gene expression, bioprocessing, gene therapy, insertional mutagenesis, or gene discovery.

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