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Patents by Inventor Frank E. Young

Frank E. Young has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been granted by the United States Patent and Trademark Office (USPTO).

METHODS OF CELLULAR REPROGRAMMING

Publication number: 20210386791

Abstract: Disclosed herein are methods of cellular reprogramming, comprising contacting a cell with HC-HA/PTX3 for a time sufficient for cellular reprogramming of the phenotype of the cell to a different phenotype.

Type: Application

Filed: November 6, 2019

Publication date: December 16, 2021

Inventors: Scheffer TSENG, Frank E. YOUNG, Ying-Tieng ZHU, Szu Yu CHEN

Precision assembly table and method

Patent number: 6453544

Abstract: A precision assembly table and method includes a plurality of rigid bars connected to adjustable support members which can individually adjust the position of the rigid bars above a surface and a frame to create a desired contour. The structure to be assembled, such as a magnetic levitation guideway, is positioned and held in place on top of the rigid bars which have been positioned so as to define a desired contour of the structure and to which the structure will mechanically conform. The position of the rigid bars is monitored and adjusted by a computer to maintain the desired contour while the structure resting on the rigid bars is being assembled.

Type: Grant

Filed: March 20, 2001

Date of Patent: September 24, 2002

Assignee: Maglev, Inc.

Inventors: Joseph T. Cioletti, Fred J. Gurney, Frank E. Young

Precision assembly table and method

Publication number: 20010029653

Abstract: A precision assembly table and method includes a plurality of rigid bars connected to adjustable support members which can individually adjust the position of the rigid bars above a surface and a frame to create a desired contour. The structure to be assembled, such as a magnetic levitation guideway, is positioned and held in place on top of the rigid bars which have been positioned so as to define a desired contour of the structure and to which the structure will mechanically conform. The position of the rigid bars is monitored and adjusted by a computer to maintain the desired contour while the structure resting on the rigid bars is being assembled.

Type: Application

Filed: March 16, 2001

Publication date: October 18, 2001

Inventors: Joseph T. Cioletti, Fred J. Gurney, Frank E. Young

Precision assembly table and method

Publication number: 20010029654

Abstract: A precision assembly table and method includes a plurality of rigid bars connected to adjustable support members which can individually adjust the position of the rigid bars above a surface and a frame to create a desired contour. The structure to be assembled, such as a magnetic levitation guideway, is positioned and held in place on top of the rigid bars which have been positioned so as to define a desired contour of the structure and to which the structure will mechanically conform. The position of the rigid bars is

monitored and adjusted by a computer to maintain the desired contour while the structure resting on the rigid bars is being assembled.

Type: Application

Filed: March 20, 2001

Publication date: October 18, 2001

Inventors: Joseph T. Cioletti, Fred J. Gurney, Frank E. Young

Precision assembly table and method

Patent number: 6202275

Abstract: A precision assembly table and method includes a plurality of rigid bars connected to adjustable support members which can individually adjust the position of the rigid bars above a surface and a frame to create a desired contour. The structure to be assembled, such as a magnetic levitation guideway, is positioned and held in place on top of the rigid bars which have been positioned so as to define a desired contour of the structure and to which the structure will mechanically conform. The position of the rigid bars is monitored and adjusted by a computer to maintain the desired contour while the structure resting on the rigid bars is being assembled.

Type: Grant

Filed: December 12, 1997

Date of Patent: March 20, 2001

Assignee: Maglev, Inc.

Inventors: Joseph T. Cioletti, Fred J. Gurney, Frank E. Young

Recombinant bacteriophage for heterologous cloning of bacillus microorganisms and method for its production

Patent number: 4886754

Abstract: A recombinant bacteriophage, a method for producing and selecting the recombinant bacteriophage and a method for heterologous cloning of DNA are disclosed. The recombinant bacteriophage is produced by ligating genetic fragments encoding a desired genetic trait with DNA from a bacteriophage, incubating with DNA from a second Bacillus microorganism prototrophic for a growth requirement, incubating with a host Bacillus auxotrophic for the growth requirement. Transformed host Bacillus are selected by growing the mixture on a growth medium which does not contain the growth requirement and determining the presence of the genetic trait. The recombinant bacteriophage containing the desired genetic trait is recovered from the host Bacillus by induction. Heterologous cloning can be accomplished by incubating a host Bacillus with the recombinant bacteriophage.

Type: Grant

Filed: June 3, 1985

Date of Patent: December 12, 1989

Assignee: The University of Rochester

Inventors: Richard S. Graham, Yuko Yoneda, Frank E. Young

Method of increasing the yield of a product by altering a microorganism

Patent number: 4801541

Abstract: A method is described for increasing the yield of a product from a microorganism containing a regulatory gene, by altering the microorganism. The method involves introducing into the microorganism at least one structural gene for the product by lysogenizing the microorganism with a recombinant bacteriophage containing the structural gene.

Type: Grant

Filed: June 3, 1987

Date of Patent: January 31, 1989

Assignee: The University of Rochester

Inventors: Yuko Yoneda, Frank E. Young

Asporogenous mutant of B. subtilis for use as host component of HV1 system

Patent number: 4302544

Abstract: Asporogenous mutant B. subtilis RUB 331 (ATCC 31578) and a process for using such mutant are disclosed. The asporogenous mutant desirably reverts to sporeformers with a frequency not greater than $10 \cdot \text{sup.}^{-7}$ reversions per bacterium per generation and meets the requirements of the NIH "Guidelines for Research Involving Recombinant DNA Molecules" for a B. subtilis host component of a Host-Vector 1 system.

Type: Grant

Filed: October 15, 1979

Date of Patent: November 24, 1981

Assignee: University of Rochester

Inventors: Frank E. Young, Gary A. Wilson, Susan L. Mottice