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(71) Applicant: UNIVERSITY OF DELAWARE [US/US]; 1 Innovation Way, Delaware Technolgy Park, Building 1, Suite 500, Newark, DE 19711 (US).

(72) Inventors: PAPOUTSAKIS, Eleftherios; 7 Bowman Way, Newark, DE 19711 (US). AL-HINAL, Mohab, Ali; 814 Wharton Drive, Newark, DE 19711 (US). FAST, Alan, G.; 13 Sandalwood Drivem Apt. 9, Newark, DE 19713 (US).

(74) Agents: PRESTIA, Paul, F. et al.; Ratnerprestia, P.O. Box 980, Valley Forge, PA 19482 (US).

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[Continued on next page]

(54) Title: RECOMBINANT CLOSTRIDIUM ORGANISM AND METHOD FOR ISOLATION OF DOUBLE-CROSSOVER ALLELIC EXCHANGE MUTANTS

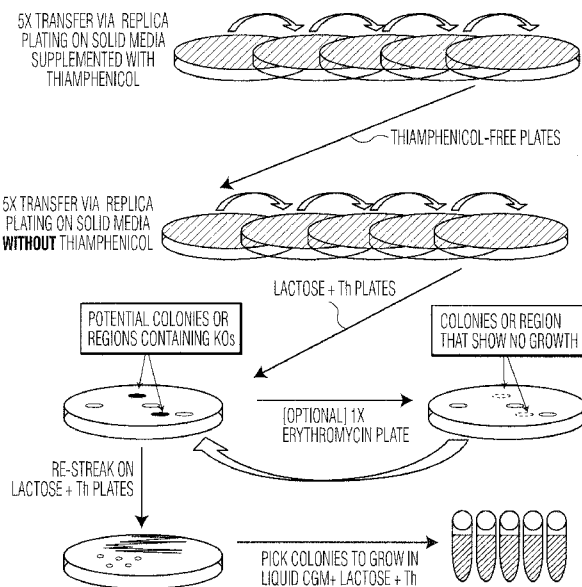


FIG. 3

(57) Abstract: The present invention provides recombinant *Clostridium* organisms having of double-crossover allelic exchange based on counter-selection and methods for isolation thereof.





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B. FIELDS SEARCHED		
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
PAJ, Esp@cenet, PCT Online, USPTO DB, WIPO, RUPTO, EAPATIS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 2316952 A1 (METABOLIC EXPLORER) 04.05.2011, claims, paragraphs [0023], [0029]-[0036], [0039]-[0040], [0045], [0057], [0069]	1-8 17-20
X Y	WO 2010/084349 A1 (THE UNIVERSITY OF NOTTINGHAM et al.) 29.07.2010, claims, pp. 1-2, p. 12, paragraph 1	9-16 17-20
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Name and mailing address of the ISA/ FIPS Russia, 123995, Moscow, G-59, GSP-5, Berezhkovskaya nab., 30-1		Authorized officer T. Perova
Facsimile No. +7 (499) 243-33-37		Telephone No. 8(495)531-65-15