United States Patent [19]

Taylor

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- [54] COSMID CLONING VECTORS
- [75] Inventor: Dean P. Taylor, King of Prussia, Pa.
- Smithkline Beckman Corporation, [73] Assignee: Philadelphia, Pa.
- [21] Appl. No.: 433,062
- [22] Filed: Oct. 6, 1982
- [51] C12N 1/00; C12N 15/00; Int. Cl.³ ...
- C12N 1/20; C12P 21/00; C12P 19/34 [52]
 - U.S. Cl. 435/317; 435/172.3; 435/68; 435/91; 435/253
- [58]
- 435/253, 317, 172.3

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[11] Patent Number: 4,476,227 **Date of Patent:** Oct. 9, 1984 [45]

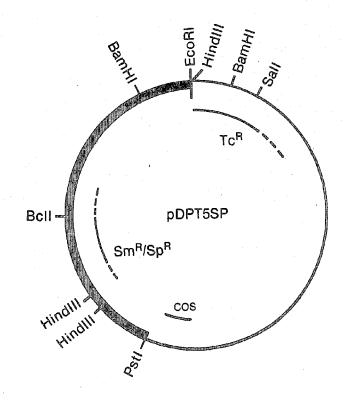
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Primary Examiner-Thomas Wiseman Assistant Examiner-James Martinell Attorney, Agent, or Firm-Edward T. Lentz; Janice E. Williams; Alan D. Lourie

[57] ABSTRACT

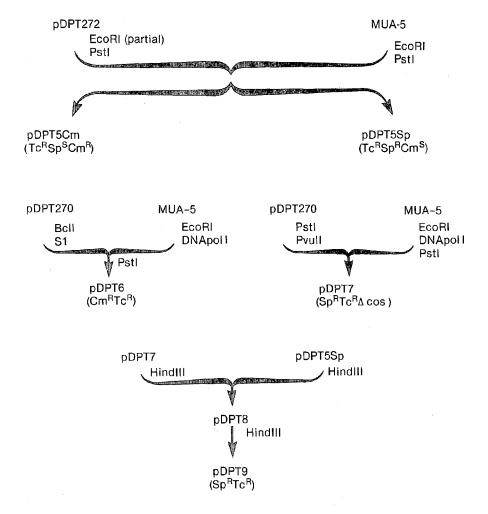
Small cosmid cloning vectors having two antibiotic resistance markers, selected from chloramphemicol resistance, streptomycin and spectinomycin resistance and tetracycline resistance markers, at least one having a unique restriction site.

6 Claims, 7 Drawing Figures



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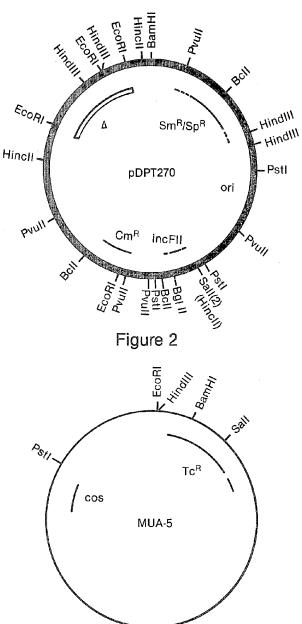
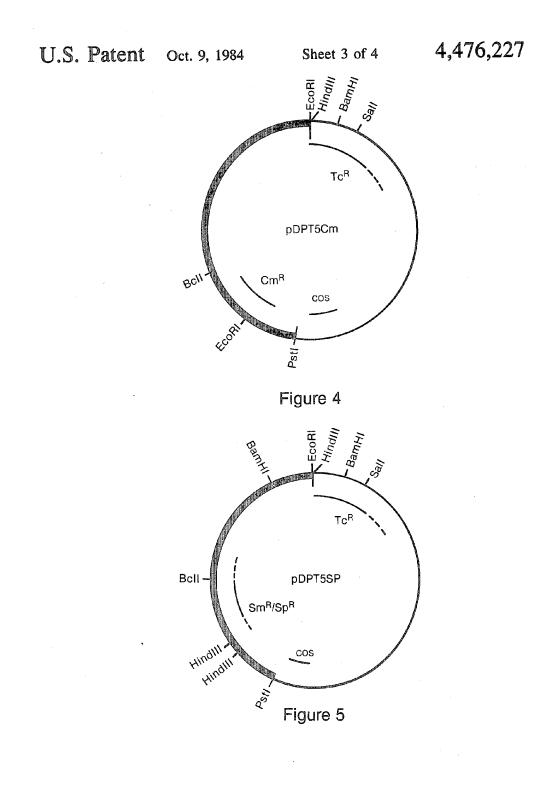


Figure 3

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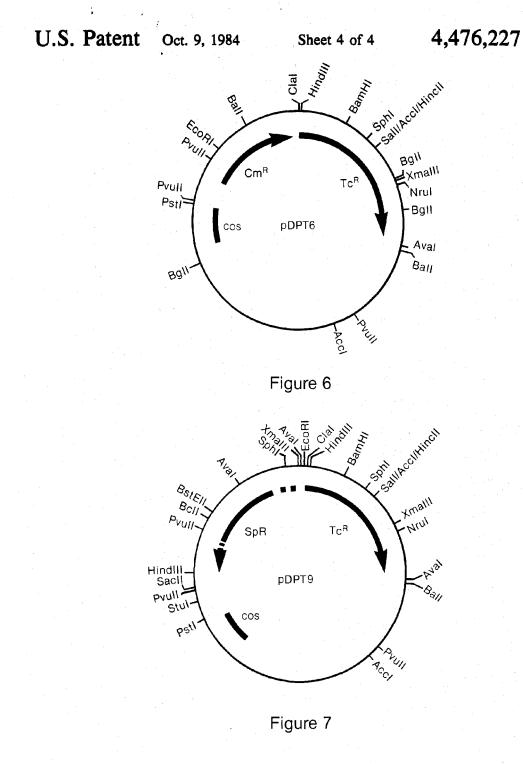
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