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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C12Q 1/68 // C12R 1/19

A1

(11) International Publication Number: WO 97/32043

(43) International Publication Date: 4 September 1997 (04.09.97)

(21) International Application Number: PCT/US97/02831

(22) International Filing Date: 24 February 1997 (24.02.97)

(30) Priority Data:
08/608,881 29 February 1996 (29.02.96) US

(60) Parent Application or Grant
(63) Related by Continuation
US 08/608,881 (CON)
Filed on 29 February 1996 (29.02.96)

(71) Applicant *(for all designated States except US)*: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

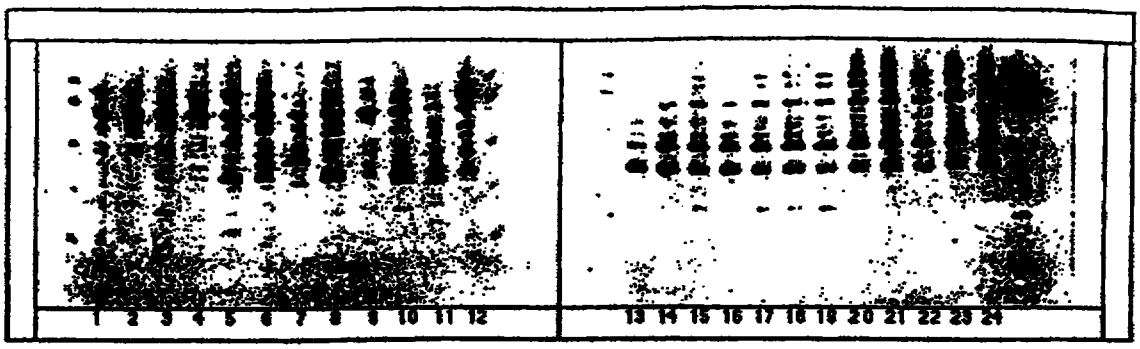
(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: JENSEN, Mark, Anton [US/US]; 1176 Fielding Drive, West Chester, PA 19382 (US).

(74) Agent: FLOYD, Linda, A.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: GENETIC MARKERS AND METHODS FOR THE DETECTION OF ESCHERICHIA COLI SEROTYPE-0157:H7



(57) Abstract

A method, diagnostic sequences and primers are provided that are useful in the identification of the *Escherichia coli* 0157:H7 serotype. The method first involves the identification of a RAPD-amplified DNA fragment common to 0157:H7 *Escherichia coli*, the identification of the most conserved regions of that fragment, and the preparation of specific primers useful for detecting the presence of a marker within the fragment whereby that set of primers is then useful in the identification of all 0157:H7 *Escherichia coli*.