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(21) International Application Number: PCT/US94/01709 (22) International Filing Date: 16 February 1994 (16.02.94) (30) Priority Data: 08/017,570 16 February 1993 (16.02.93) US (71) Applicants: THE DOW CHEMICAL COMPANY [US/US]; 2030 Dow Center, Abbott Road, Midland, MI 48640 (US). THE UNITED STATES OF AMERICA, as represented by THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; Washington, DC (US). (72) Inventors: GOURLIE, Brian, B.; 3713 Orchard Drive, Mid- land, MI 48640 (US). RIXON, Mark, W.; 4110 Castle Drive, Midland, MI 48640 (US). MEZES, Peter, S.; 25 Sill Lane, Oldlyme, CT 06371 (US). KAPLAN, Donald, A.; 1106 Saint Paul Place, Cincinnati, OH 45202 (US). SCHLOM, Jeffrey; 10525 Tyler Terrace, Potomac, MD 20854 (US). (74) Agent: ULMER, Duane, C.; The Dow Chemical Company, Patent Dept., P.O. Box 1967, Midland, MI 48641-1967 (US).		(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i> (88) Date of publication of the international search report: 24 November 1994 (24.11.94)
(54) Title: A NOVEL FAMILY OF ANTI-CARCINOEMBRYONIC ANTIGEN CHIMERIC ANTIBODIES (57) Abstract The present invention discloses novel chimeric monoclonal antibodies directed against human carcinoembryonic antigen, having antigen-specific variable regions. DNA constructs for the light and heavy chain variable regions comprising the novel antibodies of the invention are also disclosed. Eukaryotic host cells capable of expression of the chimeric antibodies and comprising the novel chimeric antibody-encoding DNA constructs are also described.		

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