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(71) Applicant *(for all designated States except US)*: **IDEC PHARMACEUTICALS CORPORATION** [US/US]; 3030 Callan Road, San Diego, CA 92121 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **REFF, Mitchell** [US/US]; 4166 Combe Way, San Diego, CA 92122 (US). **BARNETT, Richard** [US/US]; 306 Belmont Court, San Marcos, CA 92069 (US).

(74) Agents: **TESKIN, Robin, L.** et al.; Pillsbury Winthrop LLP, 1600 Tysons Boulevard, McLean, VA 22102 (US).

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ACTION

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(54) Title: POLYCISTRONIC EXPRESSION OF ANTIBODIES

(57) Abstract: Described herein is a novel expression system for producing multiple gene products of interest from a single polycistronic construct. In particular, the expression system contains a polycistronic vector capable of expressing functional antibodies in eukaryotic host cells, which vector contains at least the following elements operably linked in the 5' to 3' orientation: a promoter operable in a eukaryotic cell; a DNA sequence encoding at least the variable region of an antibody light chain; an internal ribosome entry site (IRES); and at least one DNA sequence encoding an antibody heavy chain. Also disclosed are mammalian cells containing the polycistronic expression vector, and a method of producing functional antibodies in mammalian cells transfected with the polycistronic expression vector.