



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12N 15/01, 15/02, 15/08	A1	(11) International Publication Number: WO 00/34462 (43) International Publication Date: 15 June 2000 (15.06.00)
(21) International Application Number: PCT/US99/29332 (22) International Filing Date: 8 December 1999 (08.12.99) (30) Priority Data: 09/209,920 10 December 1998 (10.12.98) US (71) Applicant: BAYER CORPORATION [US/US]; 800 Dwight Way, P.O. Box 1986, Berkeley, CA 94701 (US). (72) Inventor: CHO, Myung-Sam; 3259 Ramona Street, Pinole, CA 94564 (US). (74) Agents: BECK, Michael, J. et al.; Bayer Corporation, 800 Dwight Way, P.O. Box 1986, Berkeley, CA 94701 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: HUMAN HYBRID HOST CELL FOR MAMMALIAN GENE EXPRESSION (57) Abstract Human/human hybrid cells were made via fusion of human embryonic kidney cells (293S) and modified Burkitt's lymphoma cells (2B8). The fusion cells are useful as host cells for the recombinant expression of mammalian genes. The advantages of using these hybrid clones of human kidney- and B-cells, called HKBs, for mammalian gene expression, include (i) the cells are negative for immunoglobulin expression, (ii) the cells grow easily in plasma protein-free medium (with or without the addition of recombinant insulin) as suspension cultures in a shake flask or in a fermenter (iii) the cells are very susceptible for transfection of DNA, and (iv) the cells secrete high levels of heterologous recombinant proteins, such as recombinant monoclonal antibodies, soluble ICAM-1, rIL-4, and rFVIII.		