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(21) International Application Number: PCT/AU97/00175 (22) International Filing Date: 20 March 1997 (20.03.97) (30) Priority Data: PN 8809 20 March 1996 (20.03.96) AU (71) Applicants (for all designated States except US): THE UNIVERSITY OF NEW SOUTH WALES [AU/AU]; Anzac Parade, Kensington, NSW 2033 (AU). BURNS PHILP & COMPANY LIMITED [AU/AU]; 7 Bridge Street, Sydney, NSW 2000 (AU). BURNS PHILP RESEARCH & DEVELOPMENT PTY. LTD. [AU/AU]; 7 Bridge Street, Sydney, NSW 2000 (AU). COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION [AU/AU]; Limestone Avenue, Campbell, ACT 2601 (AU). ARNOTT'S BISCUITS LIMITED [AU/AU]; 11 George Street, Homebush, NSW 2140 (AU). GIST-BROCADES AUSTRALIA PTY. LIMITED [AU/AU]; 9 Moorebank Avenue, Moorebank, NSW 2170 (AU). GOODMAN FIELDER INGREDIENTS LIMITED [AU/AU]; Level 4, 230 Victoria Road, Gladesville, NSW 2111 (AU). BROWN, Ian, Lewis [AU/AU]; 18 Valley Way, Gympie Bay, NSW 2227 (AU).	(72) Inventors; and (75) Inventors/Applicants (for US only): CONWAY, Patricia, Lynne [AU/AU]; 22 Goorawahl Avenue, La Perouse, NSW 2036 (AU). HENRIKSSON, Karl, Anders, Olof [SE/AU]; 10/174 Old South Head Road, Bellevue Hill, NSW 2023 (AU). McNAUGHT, Kenneth, John [AU/AU]; 10 Cottage Point Road, Cottage Point NSW 2084 (AU). WANG, Xin [CN/AU]; 4/121 Avoca Street, Randwick, NSW 2032 (AU). (74) Agent: F.B. RICE & CO.; 28A Montague Street, Balmain, NSW 2041 (AU). (81) Designated States: AU, CA, JP, KR, NZ, SG, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.	
(54) Title: SELECTION AND/OR ENHANCEMENT OF RESIDENT MICROORGANISMS IN THE GASTROINTESTINAL TRACT		
(57) Abstract		
Improved method of enhancing a population of one or more target microorganisms in the gastrointestinal tract of an animal, the improvement comprising providing to the animal a selected modified or unmodified resistant starch or mixtures thereof, such that the one or more microorganisms will selectively utilise the starch and/or increase in number and/or activity in the gastrointestinal tract, either uniformly throughout the gastrointestinal tract or at specific site or regions.		