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(21) International Application Number: PCT/AU97/00174 ✓ (22) International Filing Date: 20 March 1997 (20.03.97) ✓ (30) Priority Data: <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">PN 8810</td> <td style="width: 40%;">20 March 1996 (20.03.96) ✓</td> <td style="width: 30%;">AU</td> </tr> <tr> <td>PN 8811</td> <td>20 March 1996 (20.03.96)</td> <td>AU</td> </tr> <tr> <td>PN 8812</td> <td>20 March 1996 (20.03.96)</td> <td>AU</td> </tr> <tr> <td>PN 8814</td> <td>20 March 1996 (20.03.96)</td> <td>AU</td> </tr> </table> (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).		PN 8810	20 March 1996 (20.03.96) ✓	AU	PN 8811	20 March 1996 (20.03.96)	AU	PN 8812	20 March 1996 (20.03.96)	AU	PN 8814	20 March 1996 (20.03.96)	AU	(72) Inventors; and (75) Inventors/Applicants (for US only): BROWN, Ian, Lewis [AU/AU]; 18 Valley Way, Gympie Bay, NSW 2227 (AU). CONWAY, Patricia, Lynne [AU/AU]; 22 Goorawahl Avenue, La Perouse, NSW 2036 (AU). EVANS, Anthony, John [AU/AU]; 75 Blackbutt Avenue, Pennant Hills, NSW 2120 (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 <i>With international search report.</i>
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(54) Title: ALTERATION OF MICROBIAL POPULATIONS IN THE GASTROINTESTINAL TRACT (57) Abstract Method of enhancing a resident population of microorganism in a selected site of the gastrointestinal tract of an animal, the method comprising providing to the animal a selected modified or unmodified resistant starch or mixtures thereof in combination with one or more probiotic microorganisms such that upon ingestion the starch passes through the gastrointestinal tract substantially unutilized until it reaches the selected site where it is utilised by the resident and/or the probiotic microorganisms thereof causing an increase in number and/or activity of the microorganisms.														