

9706092-5

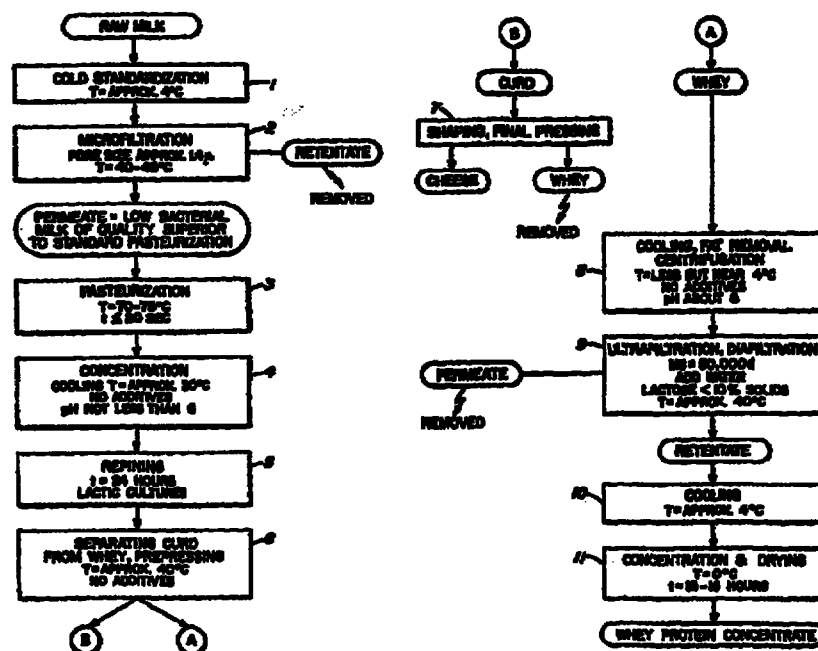
PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International Patent Classification <sup>6</sup> :<br><b>A23J 1/20, A23C 9/142</b>                                                    | <b>A1</b> | (11) International Publication Number: <b>WO 96/35336</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                            |           | (43) International Publication Date: 14 November 1996 (14.11.96)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (21) International Application Number: <b>PCT/CA96/00293</b>                                                                               |           | (81) Designated States: <b>AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b> |
| (22) International Filing Date: <b>8 May 1996 (08.05.96)</b>                                                                               |           | <b>Published</b><br><i>With international search report.<br/>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>                                                                                                                                                                                                                                                                                                                                   |
| (30) Priority Data:<br><b>08/437,852</b> <b>9 May 1995 (09.05.95)</b> <b>US</b>                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (71) Applicant: <b>IMMUNOTEC RESEARCH CORPORATION LTD., (CA/CA); Bureau 1100, 2075 rue University, Montreal, Quebec H3A 2L1 (CA).</b>      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (72) Inventor: <b>BOUNOUS, Gustavo, Apartment 1003, 1745 Cedar Avenue, Montreal, Quebec H3A 1A7 (CA).</b>                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (74) Agents: <b>MCKHOOL, Eli, J. et al.; Gowling, Strathy &amp; Henderson, Suite 2600, 160 Elgin Street, Ottawa, Ontario K1P 1C3 (CA).</b> |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

(54) Title: A PROCESS FOR PRODUCING AN UNDENATURED WHEY PROTEIN CONCENTRATE



(57) Abstract

A process for producing an undenatured whey protein concentrate as a by-product in making cheese to give a whey protein concentrate having serum albumin content of about 9.5 % or more involving microfiltration, ultrafiltration, control of temperature and other factors.