**PCT** WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G01N 33/48, 33/487 — A1

(11) International Publication Number: **WO 00/50895**

(43) International Publication Date: 31 August 2000 (31.08.00)

(21) International Application Number: PCT/AU00/00125

(22) International Filing Date: 23 February 2000 (23.02.00)

(30) Priority Data:
PP 8841 23 February 1999 (23.02.99) AU

(71) Applicant *(for all designated States except US)*: SYDNEY IVF PTY LTD [AU/AU]; 4 O'Connell Street, Sydney, NSW 2000 (AU).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: JANSEN, Robert [AU/AU]; 4 O'Connell Street, Sydney, NSW 2000 (AU). DE BOER, Kylie [AU/AU]; 4 O'Connell Street, Sydney, NSW 2000 (AU).

(74) Agent: GRIFFITH HACK; G.P.O. Box 4164, Sydney, NSW 2001 (AU).

(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, US, 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**
*With international search report.*



*G00001*

(54) Title: ISOLATING A CYTOPLASMIC FRACTION WITHOUT IMPAIRING THE VIABILITY OF OOCYTES AND EMBRYONIC CELLS

(57) Abstract

A method of isolating a cytoplasmic fraction from an oocyte which does not impair the capacity of the oocyte to be fertilized, the method including the step of releasing a cytoplasmic fraction from the oocyte which is about 5 % of the volume of the oocyte. A method of isolating a cytoplasmic fraction from an embryonic cell which does not impair the developmental potential of the cell, the method including the step of releasing a cytoplasmic fraction from the cell which is about 5 % of the volume of the cell.



*162162*