



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61L 25/00	A2	(11) International Publication Number: WO 00/09179 (43) International Publication Date: 24 February 2000 (24.02.00)
(21) International Application Number: PCT/EP99/05993 (22) International Filing Date: 16 August 1999 (16.08.99) (30) Priority Data: 60/096,597 14 August 1998 (14.08.98) US 60/146,683 2 August 1999 (02.08.99) US (71) Applicant: VERIGEN TRANSPLANTATION SERVICE INTERNATIONAL (VTSI) AG [DE/DE]; Hemmelrather Weg 201, D-51377 Leverkusen (DE). (72) Inventors: GIANETTI, Bruno; Oberdorf 59, D-53347 Bonn (DE). BEHRENS, Peter; Aegidienstrasse 51, D-23552 Lübeck (DE). ASCULAI, Samuel; 53 McCaul Street Unit #13, Toronto, Ontario M5T 2W9 (CA). (74) Agents: MEYERS, Hans-Wilhelm et al.; P.O. Box 10 22 41, D-50462 Köln (DE).		(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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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>Without international search report and to be republished upon receipt of that report.</i>

(54) Title: METHODS, INSTRUMENTS AND MATERIALS FOR CHONDROCYTE CELL TRANSPLANTATION**(57) Abstract**

The present invention provides a method for the effective treatment of articulating joint surface cartilage in an animal by the transplantation of an implantable article including chondrocyte cells retained to an absorbable support matrix. The present invention is also directed to an instrument for placing and manipulating the implantable article at the site of implantation, and a retention device for securing the implantable article to the site of implantation. The present invention is also directed to an implantable article for cartilage repair in an animal, the implantable article including chondrocyte cells retained on an absorbable support matrix, and a method of making same. This invention also encompasses, in general, an article comprising an absorbable flexible support matrix for living cells grown and adhered thereto.

