

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

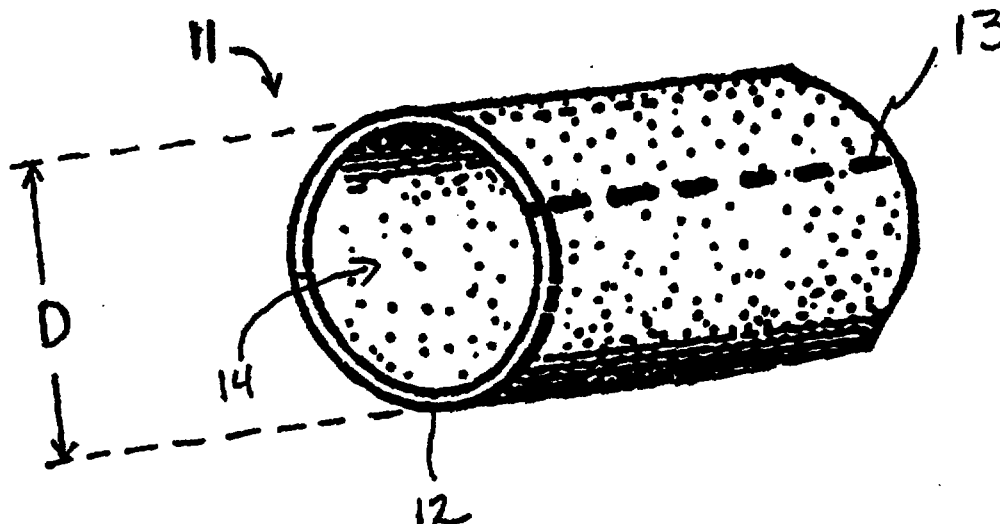


9900702-3
IPAS

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61L 27/00, A61F 2/00		A2	(11) International Publication Number: WO 98/22158
			(43) International Publication Date: 28 May 1998 (28.05.98)
(21) International Application Number: PCT/US97/14855		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, 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, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), 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).	
(22) International Filing Date: 22 August 1997 (22.08.97)			
(30) Priority Data: ① 60/024,542 ✓ 23 August 1996 (23.08.96) ✓ US ✓ ② 60/024,693 ✓ 6 September 1996 (06.09.96) ✓ US ✓			
(71) Applicants: ① COOK BIOTECH, INCORPORATED [US/US]; 3055 Kent Avenue, P.O. Box 2603, West Lafayette, IN 47906 (US); ② MED INSTITUTE, INCORPORATED [US/US]; 1400 Cumberland Avenue, West Lafayette, IN 47906 (US).		Published Without international search report and to be republished upon receipt of that report.	
(72) Inventors: ① COOK, William, A.; 1208 Wylie Street, Bloomington, IN 47401 (US); ② HILES, Michael, C.; 4326 South 900 East, Lafayette, IN 47905 (US); ③ KOZMA, Thomas, G.; Apartment 2C, 3118 Courthouse Drive, West Lafayette, IN 47906 (US); ④ PATEL, Umesh, H.; 1135 Kingswood Road South, West Lafayette, IN 47906 (US).			
(74) Agent: GODLEWSKI, Richard, J.; P.O. Box 2256, West Lafayette, IN 47906 (US).			

(54) Title: GRAFT PROSTHESIS, MATERIALS AND METHODS



(57) Abstract

A graft prosthesis (11), materials and method for implanting, transplanting, replacing, or repairing a part of a patient. The graft prosthesis includes a purified, collagen-based matrix structure removed from a submucosa tissue source. The submucosa tissue source is purified by disinfection and removal steps to deactivate and remove contaminants, thereby making the purified structure biocompatible and suitable for grafting on and/or in a patient.