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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61B	A2	(11) International Publication Number: **WO 00/32084**
		(43) International Publication Date: 8 June 2000 (08.06.00)

(21) International Application Number: PCT/US99/28484

(22) International Filing Date: 1 December 1999 (01.12.99)

(30) Priority Data:
09/203,832 1 December 1998 (01.12.98) US

(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application
US 09/203,832 (CIP)
Filed on 1 December 1998 (01.12.98)

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(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, 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
Without international search report and to be republished upon receipt of that report.

(54) Title: EXTERNAL TISSUE DISTRACTION WITH EXPANDING FRAMES

(57) Abstract

A soft tissue expander comprises a frame comprised of inflatable members having in several embodiments a peripheral restrictor to force the frame to expand in only two dimensions. Various embodiments include frames arranged to be comprised of different polygonal shapes, frame members having internal mechanical restrictors, frames comprised of fusiform or cellular construction, and frames contained within two membranes that may also be filled with fluid.

