



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(54) Title: DILATATION CATHETER BALLOON MADE FROM PEN BASED HOMOPOLYMER OR RANDOM COPOLYMER</p>		
<p>(57) Abstract</p>		
<p>A balloon for a medical device has a structural layer of a highly crystallized PEN polymer material. The PEN polymer material a polyethylene naphthalate homopolymer or a crystallizable copolyester made up of residues of ethylene glycol, naphthalene dicarboxylic acid (NDC) and at least one member of the group (PA) consisting of terephthalic acid and isophthalic acid. The NDC groups make up about 5 % or more of the sum of NDC and PA groups in the copolymer. The balloon is characterized by an ability to withstand a hoop stress of at least 35,000 psi without bursting.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/18344

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 A61L29/00 A61M25/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61L A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 285 (C-1066), 2 June 1993 & JP 05 015603 A (KURINIKARU SAPURAI:KK), 26 January 1993 see abstract ---	1
A	PATENT ABSTRACTS OF JAPAN vol. 095, no. 001, 28 February 1995 & JP 06 296693 A (KURINIKARU SUPPLY:KK), 25 October 1994 see abstract ---	1, 11
A	US 5 556 383 A (WANG LIXIAO ET AL) 17 September 1996 cited in the application see examples 1-13 ---	1, 2, 9-11, 15, 16
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

national Application No PCT/US 98/18344
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 768 097 A (TERUMO CORP) 16 April 1997 see page 2, line 44 - page 3, line 3 see page 3, line 47 - page 4, line 24 see page 5, line 1 - line 9 see examples 1-15 ----</p>	1-17
A	<p>EP 0 747 070 A (ADVANCED CARDIOVASCULAR SYSTEM) 11 December 1996 see page 4, line 46 - line 4 ----</p>	1-17
A	<p>US 5 270 086 A (HAMLIN ROBERT N) 14 December 1993 cited in the application see column 1, line 31 - line 38 see column 1, line 67 - column 2, line 61 see column 4, line 8 - line 23 see column 5, line 8 - line 25; claims 1,4,13; figures 5,6 ----</p>	1,3, 11-14
A	<p>WO 96 00752 A (FOSTER MILLER INC) 11 January 1996 see abstract see page 2, line 13 - page 3, line 3 see page 5, line 21 see page 9, line 1 - line 16 see page 1, line 12 - page 2, line 3 see page 9, line 29 - page 10, line 7 see page 10, line 26 - page 11, line 6 -----</p>	1

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Information on patent family members

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