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(57) **Abstract:** A composition including a solution suitable for introduction into a blood vessel comprising particles comprising a treatment agent and a polymeric product of at least one activated diamine and at least one activated dicarboxylic acid. A method including introducing a delivery device into a blood vessel; and introducing a solution into the blood vessel, the solution comprising particles comprising a treatment agent and a polymeric product of at least one activated diamine and at least one activated dicarboxylic acid, wherein the activated diamine comprises a product of a diol and an amino acid. A method including combining a treatment agent and a polymeric product of at least one activated diamine and at least one activated dicarboxylic acid; and forming particles of the combination suitable for delivery through a blood vessel.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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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)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/177416 A1 (TURNELL WILLIAM G [US] ET AL) 10 August 2006 (2006-08-10) paragraphs [0023], [0042], [0047], [0115], [0130] -----	1-31
X	WO 2006/132950 A (MEDIVAS LLC [US]; TURNELL WILLIAM G [US]; GOMURASHVILI ZAZA D [US]; KA) 14 December 2006 (2006-12-14) paragraphs [0009], [0067], [0152], [0159] -----	1-31

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006177416	A1	10-08-2006	
		AU 2006214655 A1	24-08-2006
		CA 2596011 A1	24-08-2006
		EP 1848410 A1	31-10-2007
		WO 2006088647 A1	24-08-2006
WO 2006132950	A	14-12-2006	
		AU 2006255262 A1	14-12-2006
		CA .2610745 A1	14-12-2006
		EP 1906976 A2	09-04-2008