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(54) Title: LOCAL GENE THERAPY WITH AN ELUTING STENT FOR VASCULAR INJURY

(57) Abstract: The present invention relates to a method for preventing or treating stenosis or restenosis in subjects by placement of a polymerized support delivering a recombinant adeno or adeno-associated vector with a mutant Ras nucleic acid encoding a mutant Ras protein which inhibits Ras-mediated phosphorylation, and blocking the Ras signal transduction pathway in vascular smooth muscle cells (VSMCs).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: A61K 31/70 (2006.01); A61F 2/00 (2006.01); C07H 21/04 (2006.01) C12N 15/00 (2006.01) USPC: 514/44;424/425;536/23.2 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) U.S. : 514/44; 424/425; 536/23.2 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 practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 98/19686 (CHIEN et al) 14 May 1998, pages 5-6, 17, 21 (lines 1-7), and examples 10, 14-15.	1-7, 9-15 ----- 8
Y	US 6,335,010 A (CHIEN et al) 01 January 2002, col. 5, lines 1-39; col. 17, lines 45-67 and SEQ ID NO:3.	8
A	US 5,562,922 A (LAMBERT, T.L.) 08 October 1996, see at least the Abstract and Brief Description of the Invention.	1-15
A	EP 0747069 A2 (FEARNOT et al) 11 December 1996, see the entire document, especially col. 11, line 21 continues to line 24 of col. 12.	1-15
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Quang Nguyen, Ph.D. Telephone No. (571) 272-0547

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Continuation of B. FIELDS SEARCHED Item 3:
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search terms: stent, mutant ras, AAV, adenovirus, inhibiting, suppressing, VSMC, Shu Chien.