CORRECTED VERSION*

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
C12N 9/16, A61K 38/46

A1

(11) International Publication Number: WO 00/09672

(43) International Publication Date: 24 February 2000 (24.02.00)

(21) International Application Number: PCT/IB99/01484

(22) International Filing Date: 12 August 1999 (12.08.99)

(30) Priority Data:
60/096,374 13 August 1998 (13.08.98) US

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(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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

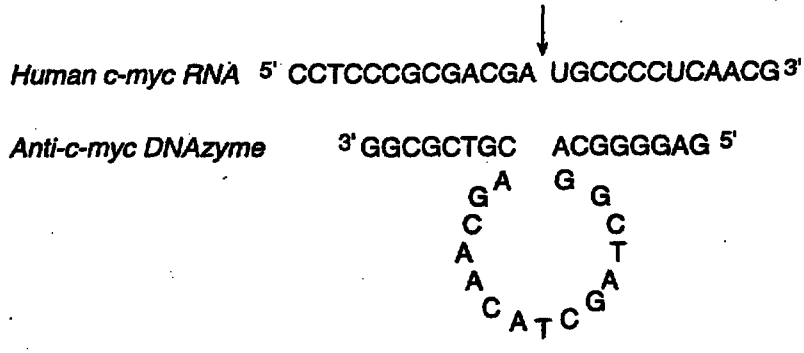
With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: DNAZYMES AND METHODS FOR TREATING RESTENOSIS

(57) Abstract

This application provides a DNAzyme which specifically cleaves c-*myc* mRNA, comprising a 15-nucleotide catalytic domain and two binding domains, one binding domain contiguous with the 5' end of the catalytic domain and the other binding domain contiguous with the 3' end of the catalytic domain. This invention also provides a pharmaceutical composition for inhibiting the onset of restenosis, which comprises the instant DNAzyme and a pharmaceutically acceptable carrier suitable for topical administration. This invention further provides an angioplastic stent for inhibiting the onset of restenosis, which comprises an angioplastic stent operably coated with a prophylactically effective dose of the instant pharmaceutical composition. Finally, this invention provides methods for inhibiting the onset of restenosis in a subject undergoing angioplasty, which comprises topically administering either the instant pharmaceutical composition or angioplastic stent to the subject.



*(Referred to in PCT Gazette No. 20/2000, Section II)