A61L 27/54 (2006.01) A61L 31/16 (2006.01)

Title: SYSTEMS AND METHODS FOR DELIVERING A RAPAMYCIN ANALOG THAT DO NOT INHIBIT HUMAN CORONARY ARTERY ENDOTHELIAL CELL MIGRATION

Abstract: A drug-eluting endoprosthesis is configured for inhibiting restenosis and thrombosis, and for promoting healing of a lesion in a body of a subject. Such an endoprosthesis includes at least a supporting structure and a therapeutically effective amount of the rapamycin analog disposed thereon. The therapeutically effective amount of the rapamycin analog allows for the rapamycin analog to elute from the supporting structure so as to obtain a concentration of the rapamycin analog that is sufficient for inhibiting restenosis and/or inhibiting thrombosis. Also, the therapeutically effective amount of rapamycin analog is substantially devoid of inhibiting cell migration such that migrating cells promote healing of the lesion.


Designated States (unless otherwise indicated, for every kind of regional protection available): AUS, AUS, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION & SUBJECT MATTER
INV. A61L27/54 A61L27/16

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)
A61L

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tr>
<td>X</td>
<td>WO 03/022324 A (ABBOT LAB [US]) 20 March 2003 (2003-03-20) claims 1-20</td>
<td>1-12</td>
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<th>Patent document cited in search report</th>
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