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(54) Title: STENT WITH ELASTOMERIC ELEMENTS

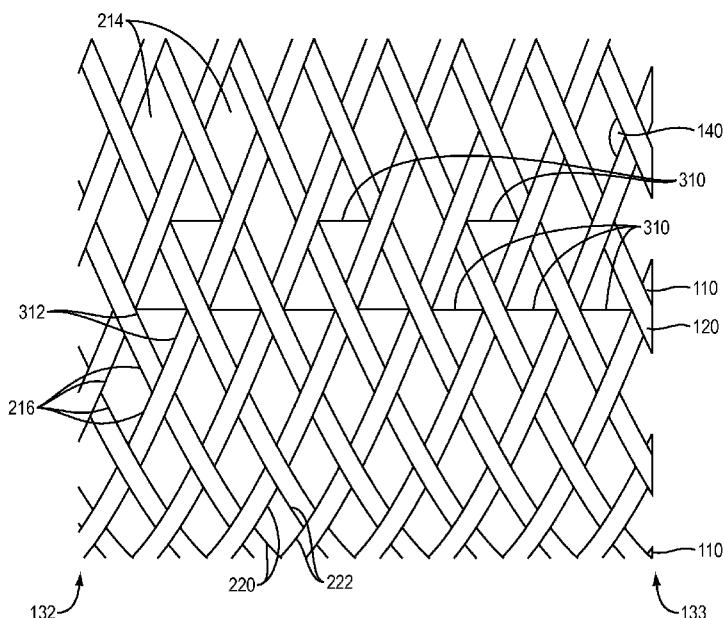


FIG. 3

(57) Abstract: Disclosed is a self-expanding medical implant for placement within a lumen of a patient. The implant comprises a woven or non-woven structure having a substantially tubular configuration, and is designed to be low-profile such that it is deliverable with a small diameter catheter. The implant has a high recoverability and desirable mechanical properties. The implant comprises a plurality of open area (214) having a continuous outer boundary and one or more elements (310) spanning one or more open area of the implant and connecting proximal and distal boundary portions of said open area. The spanning element (310) due to its nature (for instance due to its material) applies a force to the implant that acts in favour of radial expansion and axial contraction, thus enhancing radial strength.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61F

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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2011/264186 A1 (BERGLUNG JOSEPH [US] ET AL) 27 October 2011 (2011-10-27) paragraph [0046] - paragraph [0050]; figures 11-13B ----- -/-	1-11,17



Further documents are listed in the continuation of Box C.



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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