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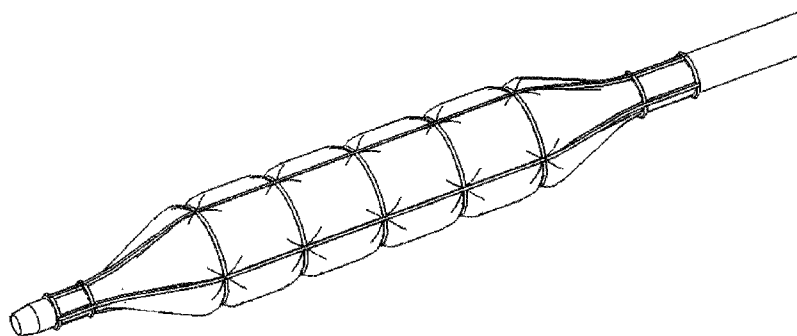


FIG. 2A

(57) Abstract: A constraining structure for use with a balloon catheter includes multiple longitudinal struts and multiple expandable radial rings. The constraining structure can expand radially but may not expand substantially in the longitudinal direction. The constraining structure can have multiple compartments configured to expand independently of one another. Inflating the balloon catheter within the constraining structure can allow for dilation of the blood vessel in a pre determined topography.