Title (en)
   SELF EXPANDING STENTS AND METHODS

Title (de)
   SELBSTEXPANDIERENDE STENTS UND VERFAHREN

Title (fr)
   ENDOPROTHÈSES AUTO-EXTENSIBLES ET MÉTHODES

Publication
   EP 4340785 A1 20240327 (EN)

Application
   EP 22728331 A 20220520

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Abstract (en)
   [origin: WO2022246262A1] A stent comprises a framework that includes a sequence of cells that each occupy a discrete segment of the stent length, and each of the cells includes a plurality of struts with ends connected at respective vertices. In some forms the hollow cylindrical shape of the framework is moveable among a loading diameter that is smaller than a tube diameter, which is smaller than an expanded diameter, and every strut of the framework is oriented parallel to the stent axis when the hollow cylindrical shape is at the tube diameter. In other forms the framework includes T-bars that connect adjacent cells, where the T-bars have a column that has a minimum width perpendicular to the long axis that is wider than a maximum width of each of the struts, and the column defines at least one slot. In still other forms, the framework exhibits geometries that facilitate a high packing density for the framework when the stent is in a compressed tube or loading configuration.

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