DISCLOSURE OF THE INVENTION

However, there has been a desire for a flexible stent capable of further improving the operability of the stent by further improving the visibility of the opaque member provided in the stent.

Thus, various embodiments provide a flexible stent capable of further improving the operability of the stent by further improving the visibility of an opaque member provided in the stent.

An aspect relates to a flexible stent including: a plurality of ring-shaped pattern bodies which have a wavy line-shaped pattern and are arranged side by side in an axial direction; and a plurality of connecting elements which connect the adjacent ring-shaped pattern bodies, wherein when viewed from a radial direction perpendicular to the axial direction, a circular direction of the ring-shaped pattern body is inclined or not inclined with respect to the radial direction, wherein a plurality of opaque members which are highly opaque to radiation are provided in a strut and/or are disposed in the vicinity of the strut constituting the ring-shaped pattern body and/or the connecting element, and wherein the plurality of opaque members are regularly arranged in one or more of the circular direction, the axial direction, and a circumference direction of the flexible stent.

Further, the ring-shaped pattern body may be formed such

and the plurality of bar-shaped members may be substantially aligned and bundled in the axial direction.

According to the present disclosure, it is possible to provide a flexible stent capable of further improving the operability of the stent by further improving the visibility of an opaque member provided in the stent.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of a flexible stent of a first basic embodiment in an unloaded state.

Fig. 2 is an exploded view of the flexible stent of the first basic embodiment in an unloaded state which is virtually deployed on a plane to repeat a pattern.

FIG. 3 is a partially enlarged view of the stent shown in FIG. 2.

FIG. 4 is a partially enlarged view of the stent shown in FIG. 3.

FIG. 5 provides illustrative views showing the matter of deformation occurring at an apex of a waveform element of the circular body of a stent when the stent is radially reduced.

FIG. 6A is a schematic view showing a deformation state of a waveform element during diameter reduction in a case in which a slit is not provided at an apex of a waveform element of the circular body of a stent.

FIG. 6B is a schematic view showing a deformation state of a waveform element during diameter reduction in a case in which