DISCLOSURE

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 struts and/or are disposed in vicinities of the strut constituting the ring-shaped pattern body and/or the connecting elements, and wherein the plurality of opaque members are regularly arranged in one or two of the circular direction, the axial direction, and a circumference direction of the flexible stent, wherein the ring-shaped pattern body is formed such that a plurality of waveform elements each formed by connecting two leg portions at an apex and having a substantially V-shape are connected in the circumference direction of the flexible stent, and

wherein the plurality of opaque members are provided in the struts and/or are disposed in the vicinities of the struts by selecting one or more modes from a hole insertion mode in which each of the plurality of opaque members is disposed or inserted through a hole provided in a strut, a winding mode

in which each of the plurality of opaque members is wound on a strut, and an apex hooking mode in which each of the plurality of opaque members is hooked to an apex of a waveform element.

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

CLAIMS

1. A flexible stent comprising:

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 struts and/or are disposed in vicinities of the struts constituting the ring-shaped pattern body and/or the connecting elements,

wherein the plurality of opaque members are regularly arranged in one or two of the circular direction, the axial direction, and a circumference direction of the flexible stent, wherein the ring-shaped pattern body is formed such that a plurality of waveform elements each formed by connecting two leg portions at an apex and having a substantially V-shape are connected in the circumference direction of the flexible stent, and

wherein the plurality of opaque members are provided in the struts and/or are disposed in the vicinities of the struts by selecting one or more modes from a hole insertion mode in which each of the plurality of opaque members is disposed or inserted through a hole provided in a strut, a winding mode in which each of the plurality of opaque members is wound on a strut, and an apex hooking mode in which each of the plurality of opaque

members is hooked to an apex of a waveform element.

2. The flexible stent according to claim 1,

wherein a length of the other connecting element located at the other side in the axial direction with respect to the ring-shaped pattern body is shorter than a length of the one connecting element located at one side in the axial direction with respect to the ring-shaped pattern body, and

wherein the hole is provided in the other connecting element.

3. The flexible stent according to any one of claims 1 to 2,

wherein a winding direction of the one connecting element located at one side in the axial direction with respect to the ring-shaped pattern body is opposite to a winding direction of the other connecting element located at the other side in the axial direction with respect to the ring-shaped pattern body.

4. The flexible stent according to claim 2 or 3,

wherein the length of the one connecting element is ten times or more the length of the other connecting element.

5. The flexible stent according to any one of claims 1 to 4,

wherein a plurality of bar-shaped members in which a plurality of struts are joined are provided at a base end portion side and/or a tip portion side of the flexible stent and the plurality of bar-shaped members are substantially aligned and bundled in the axial direction.