

ABSTRACT

A leadless pacemaker, a leading component and a trailing component are disclosed. The leading component includes a leading body and a locking member, which are coupled to each other. The leading body is configured to be secured at a predetermined site. The locking member assumes an initial configuration when there is no external force acting thereon. At least part of the locking member is expandable or contractible radially with respect to the leading body under the action of an external force. The locking member defines an accommodating chamber extending in an axial direction of the leading body. The accommodating chamber includes a main portion and a diametrically-reduced portion located at a proximal end of the main portion in the axial direction of the leading body. In the initial configuration of the locking member, an inner radial dimension of the diametrically-reduced portion is smaller than an inner radial dimension of the main portion. The diametrically-reduced portion is configured to accommodate a waist section of the trailing component, and the main portion is configured to accommodate a first shoulder section of the trailing component. The trailing component can be conveniently inserted into and removed from the accommodating chamber, enabling convenient replacement of the trailing component.