partially related to the different radii of the two overlapping annular bands that are formed by the juxtaposition of a predefined number of arms, in combination with the reciprocal spreading movement of said arms, which are articulated to each other to form the jewelry in a closed form. The increased friction causes The increase in friction means that the force required to move the jewel is not constant but varies depending on the specific condition of its contraction, which makes it less practical to use as it is desirable that the force necessary to change its geometry be constant regardless of the specific condition in which it is found.

[0013] In particular, the Applicant has found that these friction forces that oppose the movement are not uniformly present in every portion of the arm but are greater in the longitudinally peripheral zones of the same, and this is attributed to the change in curvature of the individual arm that occurs concurrently with the contraction/expansion of the jewel in the form of a ring or bracelet, in conjunction with the tendency to misalign between the seats of two overlapping arms, which results in greater resistance on the pins occupying such seats.

[0014] In addition to being impractical to use, another limitation observed is the excessive wear of the parts and thus qualitative degradation over time.

[0015] Embodiments of this invention disclose a jewelry article of variable dimensions that is durable and aesthetically pleasing as well as easy to use even in an open or extended condition, in which the movement of contraction or expansion is uniform and practical to operate and to move, by means of appropriate features such that it does not require being moved with forces that make it uncomfortable to the wearer and that compromise the joints with repeated use.

[0016] Further embodiments of this invention disclose a jewelry article adaptable to different users in terms of dimensions and taste.

[0017] Embodiments of this invention achieve high aesthetic yield and allow the use of gems of different sizes.

[0018] According to an aspect of the present invention, there

is provided a jewelry article including a plurality of modular elements or arms reciprocally hinged in an oscillating manner around one or more hinging axes such that said jewelry article is adjustable to any position between a limit contraction position and a limit extension position, wherein each arm defines a central hinging area including at least one central seat for engaging at least one connecting element to connect additional arms, said central hinging area being interposed between at least two further lateral hinging areas located in proximity to the ends of the arm in a longitudinal direction thereof and further provided with lateral seats for engaging additional connecting elements, wherein said seats for engaging a connecting element include holes or slots passing through two openings defined in two opposed surfaces of the arm, and wherein said connecting elements include articulation pins designed to engage in said passing holes, wherein said passing holes) of at least one arm have an oblong peripheral edge in at least one diametrical direction arranged along an elongation axis and said passing holes have predetermined lengths that are preferably different from one another among the different hinging areas present on each single arm.

[0019] These and other features and advantages of this invention will become clearer from the following description of some exemplary embodiments illustrated in the attached drawing tables, where:

- Figure 1 presents different shape variants of an arm represented according to a first two-dimensional view and a second three-dimensional perspective view;
- Figure 2 reports two views of a plurality of five-hole arms respectively in extended and contracted configuration;
- Figure 3 shows a conceptual representation of a ring/bracelet comprising two annular bands each obtained from a replication of five-hole arms;
- Figure 3b shows three different variants of the invention, presenting for each variant a comparison between two possible extension conditions of the same jewelry, with the three variants differing in the configuration