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**(54) Title (EN):** METHOD OF MANUFACTURING CELLULOSIC STRUCTURES, AND ELECTRODE ASSEMBLY COMPRISING AN EXPANDABLE-COLLAPSIBLE BODY

**(54) Title (FR):** STRUCTURE D'ELECTRODE PERMETTANT DE CHAUFFER ET D'EFFECTUER L'ABLATION D'UN TISSU ET SON PROCEDE DE FABRICATION DE D'ASSEMBLAGE

**(57) Abstract:**

**(EN):** Methods of manufacturing cellulosic structures, e.g., for use in expandable-collapsible electrode assemblies for diagnostic and/or therapeutic electrophysiology devices, are disclosed. One such preferred method includes providing a mandrel having a head portion and a neck portion, the head portion having an outer circumference greater than the neck portion, dipping the mandrel into a cellulosic substance, curing the cellulosic substance, and separating the mandrel from the cured cellulosic substance. According to a separate aspect of the invention, an electrode assembly is provided, which includes an expandable-collapsible body and a biasing device adapted to resiliently urge a distal portion of the body against adjacent body tissue.

**(FR):** L'invention concerne des procédés de fabrication de structures cellulósiques, telles que celles utilisées par exemple dans des ensembles d'électrode pouvant être déployés/repliés, dans des dispositifs d'électrophysiologie diagnostique et/ou thérapeutique. Un procédé préféré consiste à fournir un mandrin pourvu d'une partie tête et d'une partie col, la partie tête présentant une circonférence extérieure supérieure à celle de la partie col; à tremper ledit mandrin dans une substance cellulósique; à faire durcir ladite substance cellulósique; et à séparer le mandrin de la substance cellulósique durcie.

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