

# (12) International Application Status Report

**Received at International Bureau:** 08 February 2000 (08.02.2000)

**Information valid as of:** (..)

**Report generated on:** 14 June 2021 (14.06.2021)

**(10) Publication number:**

WO2000/029062

**(43) Publication date:**

25 May 2000 (25.05.2000)

**(26) Publication language:**

English (EN)

**(21) Application Number:**

PCT/EP1999/008729

**(22) Filing Date:**

12 November 1999 (12.11.1999)

**(25) Filing language:**

English (EN)

**(31) Priority number(s):**

09/189,918 (US)

**(31) Priority date(s):**

12 November 1998 (12.11.1998)

**(31) Priority status:**

Priority document received (in compliance with PCT Rule 17.1)

**(51) International Patent Classification:**

**A61B 18/08** (2006.01); **A61B 18/14** (2006.01); **A61N 1/06** (2006.01)

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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.

**International search report:**

Received at International Bureau: 20 September 2000 (20.09.2000) [EP]

**International Report on Patentability (IPRP) Chapter II of the PCT:**

Chapter II demand received: 09 June 2000 (09.06.2000)

**(81) Designated States:**

AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

European Patent Office (EPO) : AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM