(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 May 2013 (16.05.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/071235 A1

(51) International Patent Classification:
A61K 47/30 (2006.01) *A61L 15/22* (2006.01)
A61K 47/36 (2006.01) *C08F 283/00* (2006.01)

(21) International Application Number:
PCT/US2012/064670

(22) International Filing Date:
12 November 2012 (12.11.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/559,110 13 November 2011 (13.11.2011) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(54) Title: IN-SITU CROSS-LINKABLE POLYMERIC COMPOSITIONS AND METHODS THEREOF

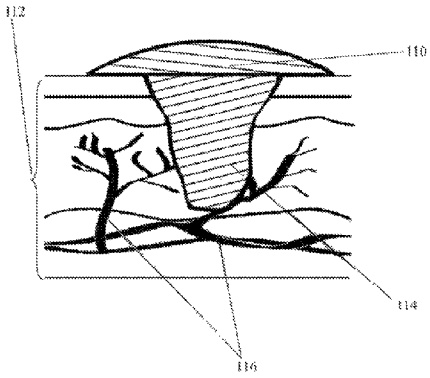


FIG. 1

(57) Abstract: A biocompatible polymeric composition for cross-linking in-situ in a wound is disclosed comprising 1) one or more polyanionic polymers such as alginates or hyaluronates, able to be cross-linked the surface of the wound and 2) one or more polycationic polymers such as chitosan or DEAE-Dextran, that assists in the solidification process as well as speeds up hemostasis without the need for applying pressure. The biocompatible polymeric composition may further comprise a cross-linking agent such as aqueous calcium chloride. The invention encompasses an initial polymeric composition, the solidified matrix cross-linked and integrated at the wound site, including the methods of using, applying, and cross-linking the composition.

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