



(51) International Patent Classification:

C08F 220/56 (2006.01) *G01N 33/543* (2006.01)
C08F 293/00 (2006.01)

(21) International Application Number:

PCT/US2013/064658

(22) International Filing Date:

11 October 2013 (11.10.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/713,329 12 October 2012 (12.10.2012) US

(71) Applicant: **NVS TECHNOLOGIES, INC.** [US/US];
1505 Adams Drive, Suite D, Menlo Park, California 94025
(US).

(72) Inventors: **LAU, Aldrich, N. K.**; 1941 Middlefield Road,
Palo Alto, California 94301 (US). **EASON, Robert, G.**;
18439 Las Cumbres Road, Los Gatos, California 95033
(US).

(74) Agents: **HARWOOD, Eric, A.** et al.; Seed Intellectual
Property Law Group PLLC, Suite 5400, 701 Fifth Avenue,
Seattle, Washington 98104-7064 (US).

(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, IR, IS, JP, KE, KG, 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, SA,
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,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

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))

(88) Date of publication of the international search report:

17 July 2014

(54) Title: POLYMERS HAVING ORTHOGONAL REACTIVE GROUPS AND USES THEREOF

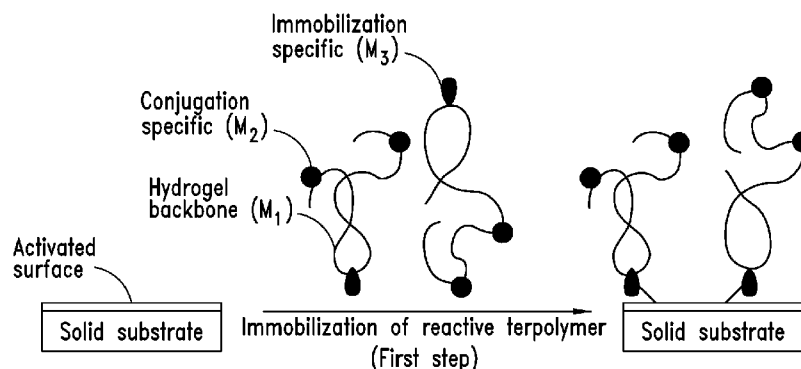


FIG. 1

(57) Abstract: Polymers having orthogonal reactive groups and solid supports comprising polymers immobilized thereto are provided. The polymers find utility in any number of applications including immobilizing analyte molecules to solid supports for high throughput assays.

