



(51) International Patent Classification:
G01N 3/303 (2006.01)

(21) International Application Number:
PCT/US2012/037318

(22) International Filing Date:
10 May 2012 (10.05.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/491,255 30 May 2011 (30.05.2011) US

(71) Applicant (for all designated States except US): **DOW TECHNOLOGY INVESTMENTS, LLC** [US/US]; 2020 Dow Center, Midland, Michigan 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAYER, John Richard** [US/US]; 146 W. Shadowpoint Cir., The Woodlands, Texas 77381 (US). **RAHA, Sasanka** [IN/IN]; E 403 Heliconia, Magarpatta City, Pune 411013 (IN). **UPHADE,**

Balu Shivaji [IN/IN]; F1003, Palash, Wakad-Thergaon Road, Pune 411057 (IN). **CANTU, Lester K.** [US/US]; 1427 Rev Sweeney, West Columbia, Texas 77486 (US). **TROTTIER, Remi Andre** [CA/US]; 390 Westwood, Angleton, Texas 77515 (US). **SOO, Hwaii** [US/US]; 116 East Ridge Road, Charleston, West Virginia 25314 (US).

(74) Agent: **JORDAHL, Kimberly S.**; PO Box 517, Willernie, Minnesota 55090 (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, 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, 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.

[Continued on next page]

(54) Title: METHODS FOR TESTING STRUCTURES, AND SELECTION METHODS USING THESE

(57) Abstract: Test method for structures, e.g., such as carriers and/or catalysts. The methods may be used to select the carriers and/or catalysts for future use. Carriers and catalysts so selected, and processes making use of these, are also provided.

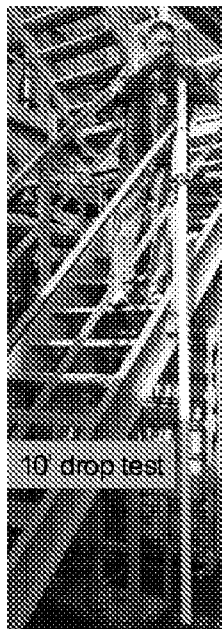


FIG1A



(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))*