

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039509 A1

(51) International Patent Classification⁷: **A61K 6/06**

(21) International Application Number:
PCT/SG2004/000350

(22) International Filing Date: 22 October 2004 (22.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/513,557 24 October 2003 (24.10.2003) US

(71) Applicant (for all designated States except US): **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG];
10 Kent Ridge Crescent, Singapore 119620 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHNG, Hui Kheng** [SG/SG]; Blk 259 Yishun St 22, #02-75, Singapore 760259 (SG). **TONG, Yen Wah** [MY/SG]; Blk 1F, #08-50 Gillman Heights Condominium, Depot Road, Singapore 105001 (SG). **YAP, U Jin, Adrian** [SG/SG]; 23 Rambutan Road, #02-01, Singapore 424301 (SG).

(74) Agent: **MATTEUCCI, Gianfranco**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

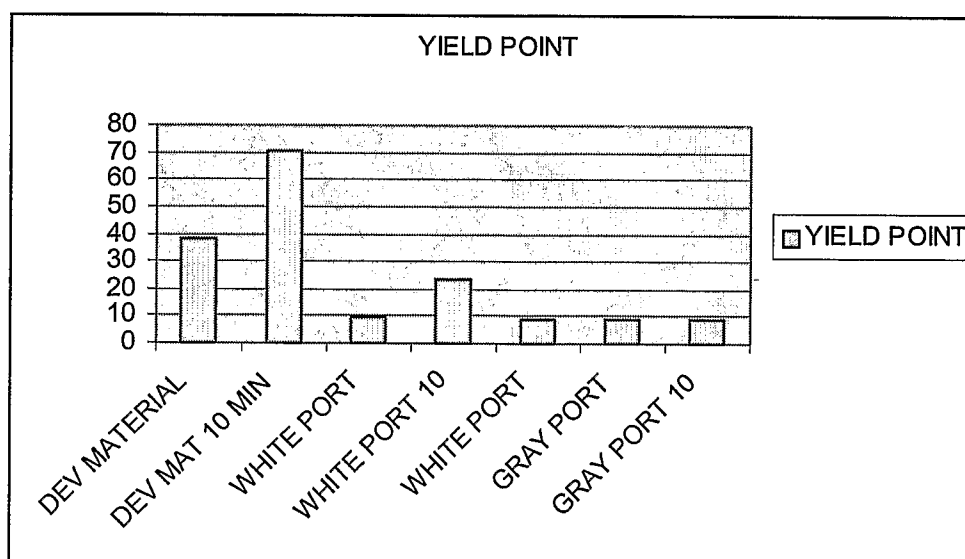
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

[Continued on next page]

(54) Title: A DENTAL COMPOSITE MATERIAL AND USES THEREOF



(57) Abstract: The present invention relates to a method of dental treatment comprising using a dental composite material comprising Portland cement and a viscosity enhancing substance. The present invention also provides the use of a Portland cement and a viscosity enhancing substance for the preparation of a dental composite material. The dental composite material may further comprise a radiopaque substance.

WO 2005/039509 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.