

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/050673 A1

(51) International Patent Classification⁷: **H01B 1/22**

243-0035 (JP). **TANINO, Katsumi** [JP/JP]; 150, Futagami-machi, Takaoka-shi, Toyama 933-0981 (JP).

(21) International Application Number:
PCT/EP2004/011941

(74) Common Representative: **MERCK PATENT GmbH**;
Frankfurter Strasse 250, 64293 Darmstadt (DE).

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

(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, 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.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-388424 18 November 2003 (18.11.2003) JP

(71) Applicant (for all designated States except US): **MERCK PATENT GmbH** [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KLEIN, Sylke** [DE/DE]; Am Hühnerbusch 17, 64380 Rossdorf (DE). **KUEBELBECK, Armin** [DE/DE]; Augartenstrasse 45, 64625 Bensheim (DE). **STOCKUM, Werner** [DE/DE]; Waldstrasse 59, 64354 Reinheim (DE). **NAKANOWATARI, Jun** [JP/JP]; 3-19-8 Higashihashimoto, Kanagawa Pref., Sagami-hara-City 229-1104 (JP). **KAWAMOTO, Kiyohiko** [JP/JP]; 2-405 Coop-Nomura, 910-1 Aikou, Kanagawa Pref., Atsugi-City

(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).

Published:

— with international search report

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.

(54) Title: FUNCTIONAL PASTE

(57) Abstract: To provide functional paste with etching activity and good electrical properties. Functional paste comprising a metal powder, an etching agent, a binder and an organic solvent.

WO 2005/050673 A1