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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 February 2007 (15.02.2007)

PCT

(10) International Publication Number
WO 2007/018367 A1

(51) International Patent Classification:
H01L 21/66 (2006.01)

(21) International Application Number:
PCT/KR2006/003045

(22) International Filing Date: 2 August 2006 (02.08.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2005-0073319 10 August 2005 (10.08.2005) KR

(71) Applicant *(for all designated States except US)*: **PHICOM CORPORATION** [KR/KR]; 60-29, Gasan-dong, Geum-Cheon-gu, Seoul 153-801 (KR).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **KIM, Ki-Joon** [KR/KR]; Lucky Apt. 2-505, SiHeung 1-dong, Geum-Cheon-gu, Seoul 153-761 (KR). **JO, Yong-Hwi** [KR/KR]; HanArum Hanguk Apt., 1543-706, Sang 1-dong, WonMi-gu, BuCheon-city, Gyeonggi-do 420-752 (KR).

(74) Agents: **KWON, Hyuk-Soo** et al.; 3rd Fl., 827-25, Yeok-sam-dong, Kangnam-ku, Seoul 135-080 (KR).

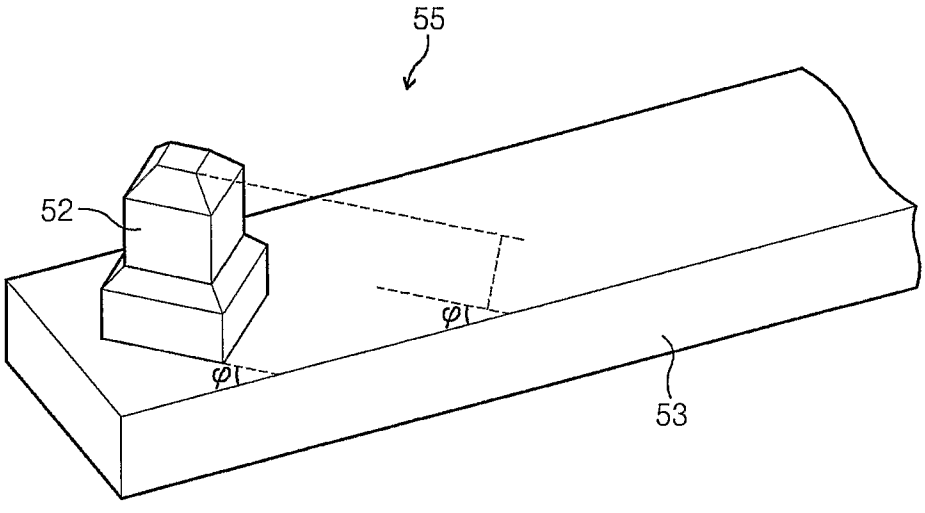
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, 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, 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, IS, IT, LT, LU, LV, 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:** CANTILEVER-TYPE PROBE AND METHOD OF FABRICATING THE SAME



(57) **Abstract:** Disclosed is a cantilever-type probe and methods of fabricating the same. The probe is comprised of a cantilever being longer lengthwise relative to the directions of width and height, and a tip extending from the bottom of the cantilever and formed at an end of the cantilever. A section of the tip parallel to the bottom of the cantilever is rectangular, having four sides slant to the lengthwise direction of the cantilever.

WO 2007/018367 A1