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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 February 2007 (22.02.2007)

PCT

(10) International Publication Number
WO 2007/021079 A1

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

(21) International Application Number:
PCT/KR2006/002906

(22) International Filing Date: 24 July 2006 (24.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2005-0074337 12 August 2005 (12.08.2005) KR

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

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **KIM, Ki-Joon** [KR/KR]; 2-505 Lucky Apt., Siheung1-dong, Geumcheon-gu, Seoul 153-761 (KR). **JO, Yong- Hwi** [KR/KR]; 1543-706 Hanareum Hanguk Apt., Sang1-dong, Wonmi-gu, Bucheon-si, Gyeonggi-do 420-752 (KR). **OH, Sung-Young** [KR/KR]; 306-606 Hyundai Apt., 566 Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-330 (KR). **HWANG, Jun-Tae** [KR/KR]; 1-377, Bugahyeon3-dong, Seodaemun-gu, Seoul 120-193 (KR).

(74) Agent: **PARK, Young-Woo**; 5F., Seil Building, #727-13, Yoksam-dong, Gangnam-gu, Seoul 135-921 (KR).

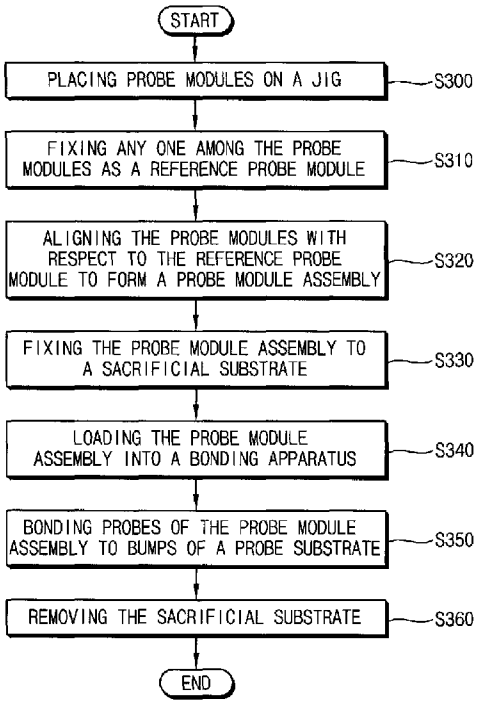
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, 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*

[Continued on next page]

(54) **Title:** METHOD AND APPARATUS FOR MANUFACTURING A PROBE CARD



(57) **Abstract:** In a method of manufacturing a probe card, a plurality of probe modules, including a sacrificial substrate and probes on the sacrificial substrate, is prepared. The probe modules are mutually aligned to form a probe module assembly having the aligned probe modules and a desired size. The probe module assembly is then attached to a probe substrate. Thus, the probe card having a large size may be manufactured.

WO 2007/021079 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.