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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/100081 A1

(51) International Patent Classification:
H01L 21/68 (2006.01)

(21) International Application Number:
PCT/KR2008/000853

(22) International Filing Date:
13 February 2008 (13.02.2008)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2007-0015104
13 February 2007 (13.02.2007) KR

(71) Applicant *(for all designated States except US)*: **JT CORPORATION** [KR/KR]; 610-12 Namchon-dong, Namdong-gu, Incheon 405-100 (KR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **YOO, Hong Jun** [KR/KR]; Mokdong Sinsigaji Apt. 1311-1203, Sinjeong 6-dong, Yangcheon-gu, Seoul 158-773 (KR). **JANG, Won-Jin** [KR/KR]; Punglim I-Won Apt. 404-304, 2-9 Songdo-dong, Yeonsu-gu, Incheon 406-730 (KR).

(74) Agents: **LEE, Sang-Bum** et al.; B & IP Patent & Law Firm, 5th Fl., Christine Bldg., 720-21 Yeoksam 2-dong, Gangnam-gu, Seoul 135-920 (KR).

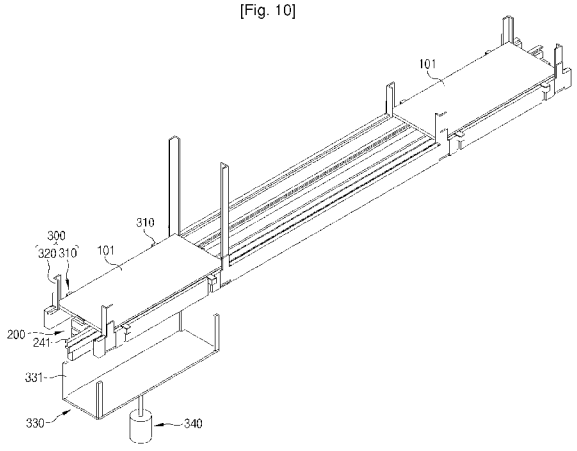
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(54) **Title:** TRAY TRANSFERRING DEVICE

[Fig. 10]



(57) **Abstract:** Disclosed is a tray transferring device capable of transferring a tray having a plurality of semiconductor devices thereon for test or sorting processes. The tray transferring device comprises a tray transferring device comprising: a tray holding unit including: a body unit for mounting a tray the tray being loaded with a plurality of semiconductor devices thereon; a lifting unit installed at one end of the body unit so as to be vertically moved in a direction perpendicular to the body unit, for supporting one end of the tray when vertically lifted; a rotation unit installed at the other end of the body unit, for pushing the other end of the tray to the lifting unit by being rotated when one end of the tray is supported by the lifting unit, thereby holding the tray; and a driving unit for driving the lifting unit to be up-down moved and the rotation unit to be rotated and a transfer unit for transferring a tray mounted at the tray holding unit by transferring the body unit.

WO 2008/100081 A1