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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 December 2007 (13.12.2007)

PCT

(10) International Publication Number
WO 2007/143151 A2

(51) International Patent Classification:
G06F 7/00 (2006.01)

(21) International Application Number:
PCT/US2007/013042

(22) International Filing Date: 31 May 2007 (31.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/810,527 2 June 2006 (02.06.2006) US
11/805,199 21 May 2007 (21.05.2007) US

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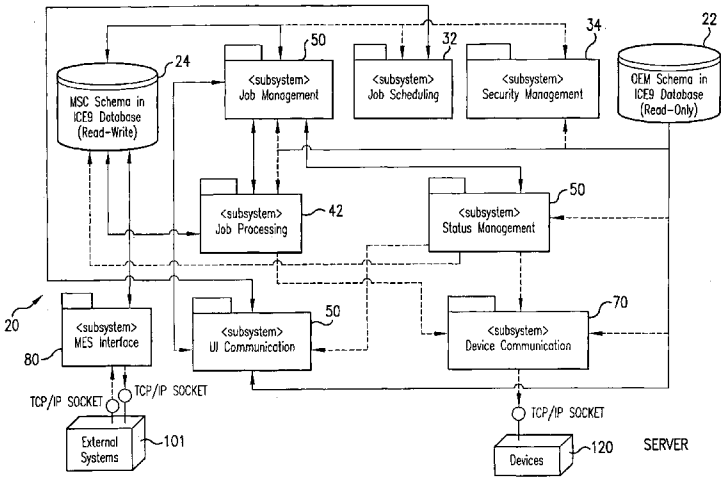
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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:
— *without international search report and to be republished upon receipt of that 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: HIGH POWER LASER FLAT PANEL WORKPIECE TREATMENT SYSTEM CONTROLLER



(57) Abstract: A pulsed DUV workpiece treatment apparatus and method for delivering light to irradiate the workpiece. for crystallization of a material on the workpiece, carried on a work stage, which may comprise a pulsed laser DUV light source and an optical train producing a very narrow width very elongated beam of light pulses with a set of parameters required to be maintained within a respective selected narrow range of values on a pulse to pulse basis is disclosed, which may comprise: a laser controller; a work stage controller; a system controller receiving process recipe control demands from a customer recipe control command generator and providing control signals to the laser controller and the workstage controller, which may comprise: a database driven process controller which may comprise: a database containing generic process command steps selectable by a user through an external process user interface.

WO 2007/143151 A2