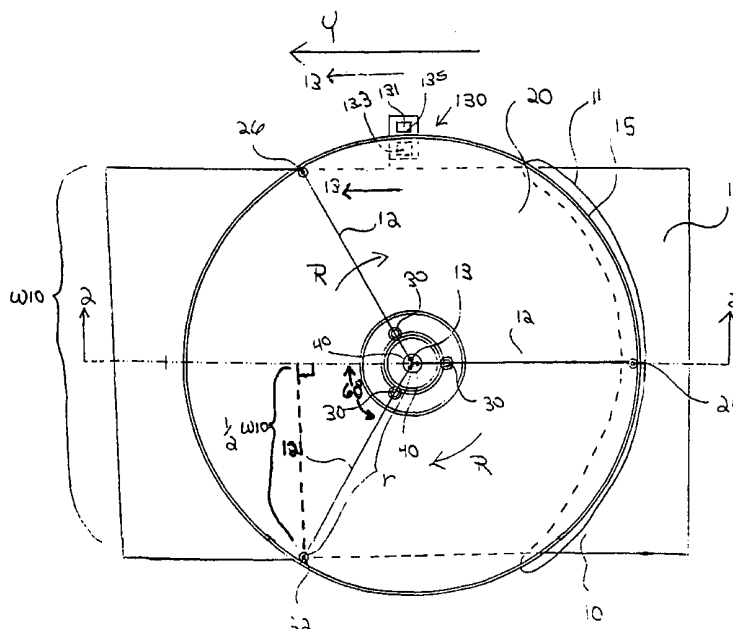




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(21) International Application Number: PCT/US99/22104 (22) International Filing Date: 23 September 1999 (23.09.99) (30) Priority Data: 60/101,840 25 September 1998 (25.09.98) US 09/260,890 2 March 1999 (02.03.99) US Not furnished 22 September 1999 (22.09.99) US Not furnished 22 September 1999 (22.09.99) US (71) Applicant: PHORMAX CORPORATION [US/US]; Suite 101, 124 University Street, Palo Alto, CA 94301 (US). (72) Inventors: CANTU, Gary; 318 Halyard Lane, Foster City, CA 94404 (US). EVANS, Wayne; 370 Calado Avenue, Campbell, CA 95008 (US). LEWIS, Todd; 227 Monroe Avenue, Palo Alto, CA 94301 (US). RAWSON, Eric, G.; 20887 Maureen Way, Saratoga, CA 95070 (US). ANDERSON, Perry, Q.; 2001 Ceder Street, Berkeley, CA 94709 (US). (74) Agents: HECKADON, David, R. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 23 November 2000 (23.11.00)

(54) Title: MULTIPLE-HEAD PHOSPHOR SCREEN SCANNER**(57) Abstract**

A multiple-head scanning device (20) for reading an image stored on a photostimulable phosphor storage screen (10), comprising, a rotatable frame having a center (13) and an outer perimeter (15); a photomultiplier tube (40) mounted to the rotatable frame at a location proximal the center (13) of the rotatable frame; a plurality of radially extending optical trains (12) mounted to the rotatable frame at 120 degrees to one another, each optical train (12) configured to direct incident laser light towards phosphor storage screen (10) and to direct response radiation emitted by phosphor storage (10) screen in response to the incident laser light towards the photomultiplier tube (40).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL :250/584

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 250/584, 585, 586, 589, 484.4, 234, 235, 236, 559.06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 30-02746 B (RIGAKU CORP.) 09 JANUARY 1991 (09.01.91), FIGS. 1 AND 7.	1-66
X	US 5,144,135 A (HENDRIX ET AL) 01 SEPTEMBER 1992 (01/09/92), SEE FIG. 8.	67-78



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