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(21) International Application Number: PCT/US96/19987 (22) International Filing Date: 13 December 1996 (13.12.96) (30) Priority Data: 08/576,988 19 December 1995 (19.12.95) US (71) Applicant: NEUROMEDICAL SYSTEMS, INC. [US/US]; Suite 306, Two Executive Boulevard, Suffern, NY 10901-4164 (US). (72) Inventors: KAPLAN, Eran; Mifratz Shlomo 98, 58487 Holon (IL). SHAPIRA, Opher; Borochov Street 38, 64252 Tel Aviv (IL). HARARY, Yuval; Moshav Misgav Dov, D.N., 76867 Emek Soreq (IL). HACHNOCHI, Daniel; Ariafa 3, 46405 Herzlia (IL). SCOTT, Richard, S., F.; 508 Broadway, New York, NY 10012 (US). (74) Agent: CAMPBELL, Jay, R.; Renner, Otto, Boisselle & Sklar, P.L.L., 19th floor, 1621 Euclid Avenue, Cleveland, OH 44115 (US).	(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.	
(54) Title: BOUNDARY MAPPING SYSTEM AND METHOD		
(57) Abstract		
<p>A method of mapping areas of a slide (16) includes the steps of selectively illuminating the slide (16) from a first light source (42) oriented generally obliquely to the surface of the slide (12), obtaining a first image of the slide (16) illuminated by the first light source (42), selectively illuminating the slide (12) from a second light source (46) providing generally scattered light, obtaining a second image of the slide (16) illuminated by the second light source (46), and generating a map of areas of significance based on the first and second images.</p>		