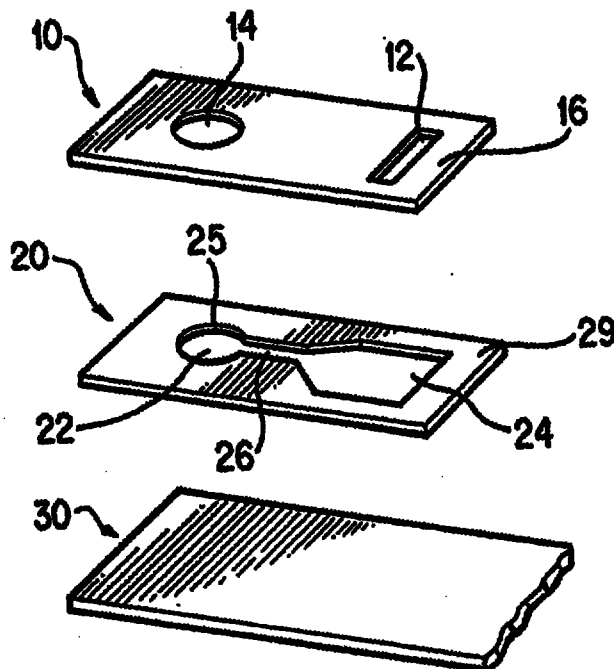




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| (21) International Application Number: PCT/US99/12826<br>(22) International Filing Date: 22 June 1999 (22.06.99)<br>(30) Priority Data:<br>09/102,632 23 June 1998 (23.06.98) US<br>(71) Applicant: GENERAL ELECTRIC COMPANY [US/US]; 1 River Road, Schenectady, NY 12345 (US).<br>(72) Inventors: DIAS, Clive; 1484 Fieldlight Boulevard, Pickering, Ontario L1V 2S4 (CA). POZZUOLI, Marzio; 266 Mathewson Street, Maple, Ontario L6A 1B4 (CA).<br>(74) Agent: BLASEY, Thomas, M.; Sixbey, Friedman, Leedom & Ferguson, P.C., Suite 800, 8180 Greensboro Drive, McLean, VA 22102 (US). |  | (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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).<br><br>Published<br>Without international search report and to be republished upon receipt of that report. |                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | This Sheet Has Been Replaced<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |

(54) Title: MODULAR PROTECTIVE RELAY WITH SUBMODULES



## (57) Abstract

A protective relay having internal processing circuitry embodied by removable and replaceable modules. Each module includes a main circuit board having common circuitry and also includes removable and replaceable submodules which electrically connect with the main circuit board to perform specific functions. The protective relay can have its functions altered by replacing one or more modules or submodules.