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(21) International Application Number: PCT/IE99/00044 (22) International Filing Date: 17 May 1999 (17.05.99) (30) Priority Data: S980369 15 May 1998 (15.05.98) IE (71) Applicant (for all designated States except US): NOONTEK LIMITED [IE/IE]; Industrial Estate, Belmullet, County Mayo (IE). (72) Inventors; and (75) Inventors/Applicants (for US only): NOONE, Sean [IE/IE]; Corclough West, Belmullet, County Mayo (IE). DURKAN, Thomas [IE/IE]; Garhownagh, Balla, County Mayo (IE). QUINLAN, Michael [IE/IE]; BMS Technology Centre, Ballysimon Road, County Limerick (IE). MCCARTHY, Paul [IE/IE]; Ballykevin, Ballingarry, County Limerick (IE). (74) Agents: O'CONNOR, Donal, H. et al.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DE (Utility model), DK, DK (Utility model), EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, 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, US, UZ, VN, YU, ZA, 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). Published With international search report.
(54) Title: LAMP FAULT DETECTION <pre> graph TD Lamp2[Lamp 2] --- Lamp4[Lamp 4] Lamp4 --- LampCircuit3[Lamp operating and control circuit 3] LampCircuit3 --- HostInterface5[Host Interface 5] HostInterface5 --- ControlUnit6[Control Unit 6] ControlUnit6 --- SignallingDevice7[Signalling Device 7] subgraph Apparatus1 [1] HostInterface5 ControlUnit6 SignallingDevice7 end </pre> (57) Abstract A fault detection apparatus (1) for a public lighting system having a number of lamps (2). Each lamp (2) incorporates an operating and control circuit (3) which will emit signals on a fault occurring or conditions arising indicating a potential fault, for example, of a gas discharge tube (4) forming part of the lamp. The apparatus which can be incorporated in the lamp operating and control circuit or be provided as a separate plug in unit incorporates a host interface (5). A control unit (6) and an externally visible signalling device (7) such as a flag or flashing beacon which will allow the detection of a fault or potential fault for example during normal daylight hours.		