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AN IMPROVED TRAFFIC LIGHTING SYSTEM: AN IMPROVED TRAFFIC LIGHTING SYSTEM FOR THE GRA JUNCTION, ABA ?PORTHARCOURT EXPRESSWAY, NIGERIA USING DUAL POWER SUPPLY

KELVIN UKOIMA

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We have all heard drivers complain of the annoyance of traffic signs and signals, but we must realize that the regulations provided by these signals are absolutely necessary if today's traffic continues to move with safety. However, the increasing population has led to several inconsistencies of traffic lights. This work presents the design and construction of an improved digital lighting system for the Government Reserved Area (G.R.A.) junction, Aba ? Port Harcourt expressway, Nigeria based on a principle of generating electrical pulses that are counted and decoded with Johnson counters. The CD4017 counter and decoder forms the heart of the circuitry which is driven by pulses from a signal generator (NE555).Based on the traffic flow data collected from the junction, timing was allocated to each of the roads to show improvisation. This timing was assigned to pulses from the synchronous counters. Radiant light and heat from the sun is harnessed and used to charge a 6v battery using photovoltaic cells. This powers the circuitry in the event of power failure.

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This AN IMPROVED TRAFFIC LIGHTING SYSTEM: AN IMPROVED TRAFFIC LIGHTING SYSTEM FOR THE GRA JUNCTION, ABA ?PORTHARCOURT EXPRESSWAY, NIGERIA USING DUAL POWER SUPPLY is great publication for you because the content that is full of information for you who else always deal with world and have to make decision every minute. This book reveal it information accurately using great plan word or we can state no rambling sentences inside. So if you are read the item hurriedly you can have whole data in it. Doesn't mean it only provides straight forward sentences but hard core information with beautiful delivering sentences. Having AN IMPROVED TRAFFIC LIGHTING SYSTEM: AN IMPROVED TRAFFIC LIGHTING SYSTEM FOR THE GRA JUNCTION, ABA ?PORTHARCOURT EXPRESSWAY, NIGERIA USING DUAL POWER SUPPLY in your hand like obtaining the world in your arm, information in it is not ridiculous a single. We can say that no book that offer you world throughout ten or fifteen second right but this guide already do that. So , it is good reading book. Heya Mr. and Mrs. stressful do you still doubt that?

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