

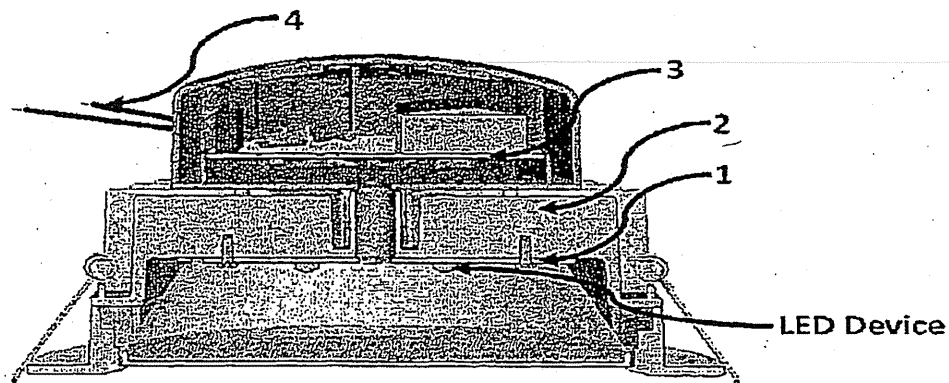


Fig. 1

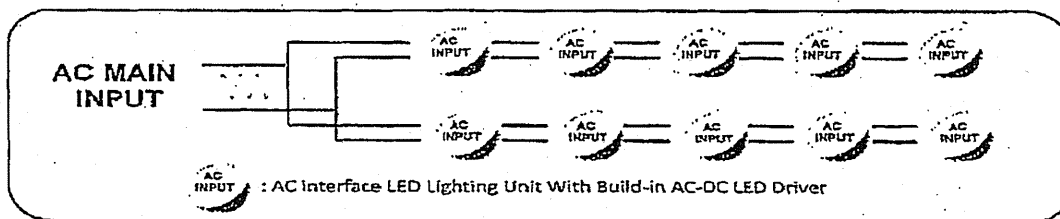


Fig. 2

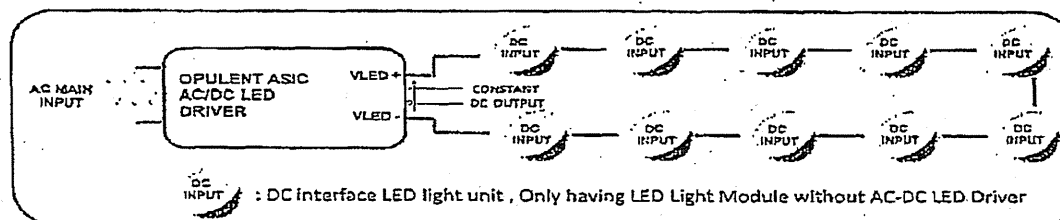


Fig. 3

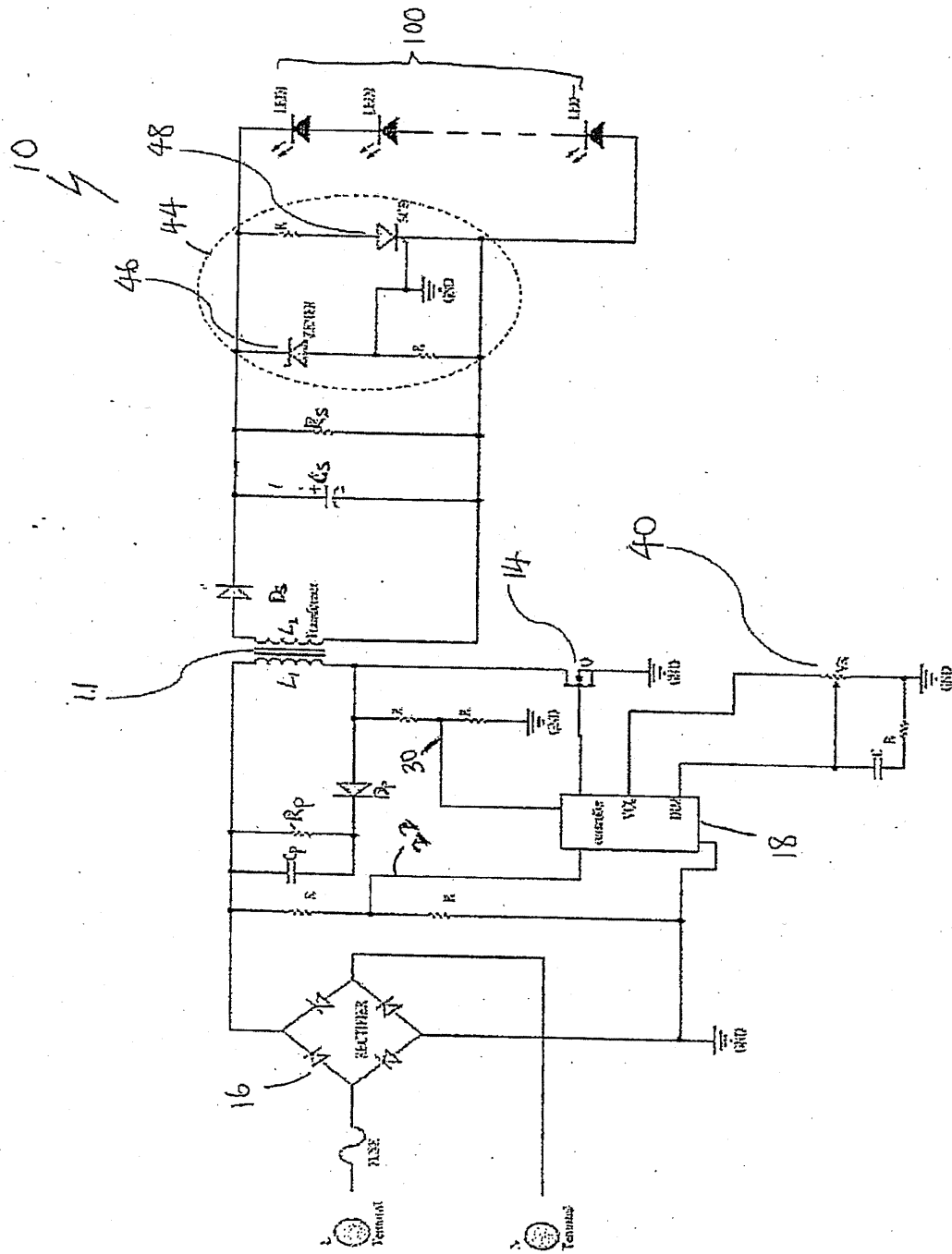


Fig. 4

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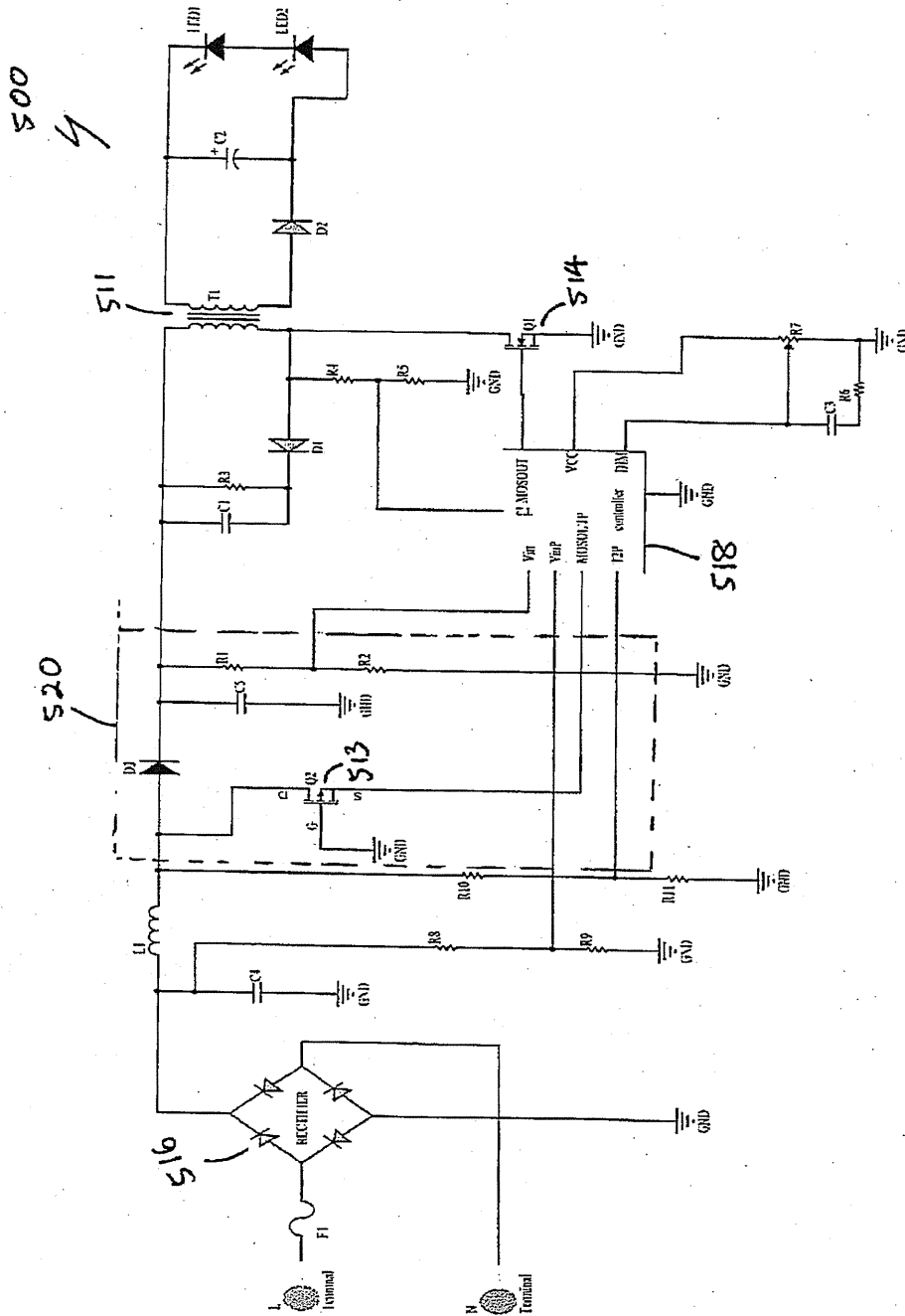
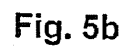


Fig. 5a

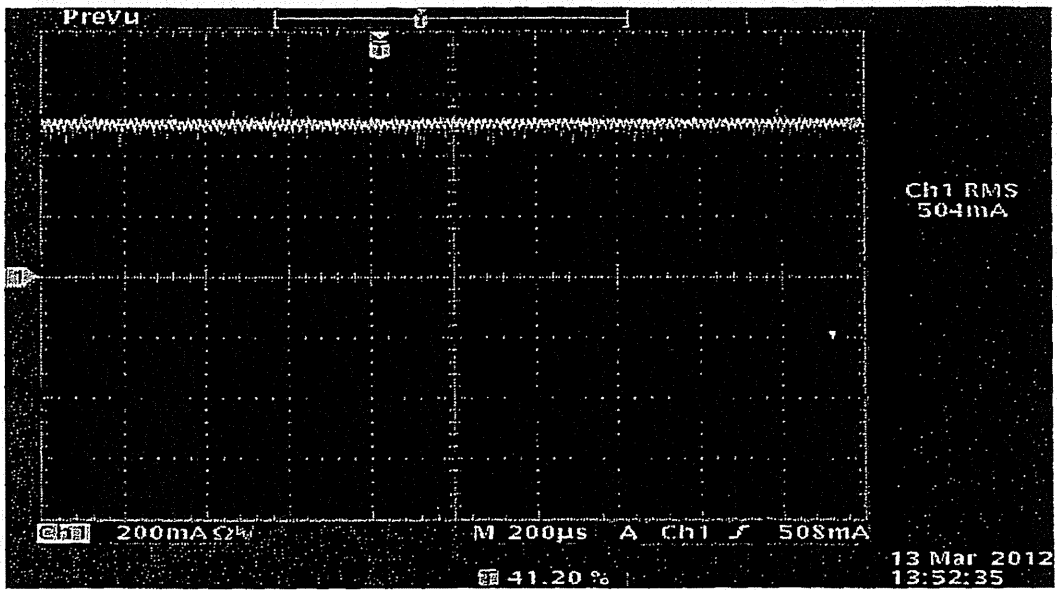


	Electronic Ballast + In Build Driver MR16 (1 : 1 option)	String Driver + Driverless MR16 (1 : Multiple Option)
Constant Current Driven	Different among each MR16 because design tolerance of each in build driver + Electronic Ballast behavior	All MR16 will having identical current due to driven by single driver and in series connection
Light Output Uniformity	Different among each other due to each in build driver having different driving current	Very uniform among each other because of single driver and with constant current driven
Power Factor	Low because in build output load not meeting Electronic Ballast minimum load requirement	High because string driver been designed for the Driverless purpose
Efficiency	Low since Electronics Ballast not compatible with in-build LED MR16 and causing output current drop when connected	High due to the string driver been designed to tailor the output load range requirement
Dimming	Flickering as the in build driver design not fulfilling Triac Dimming Minimum holding current requirement	Dim perfectly with Potential Meter , Motion/Ambient Sensor and Infra-Red Sensor
Wire Connection length	Drop in output driving current when the connection length exceed the allowable specification (in general < 2meter)	Output driving current not affected by wire connection length

Fig. 6

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Constant current @504mA



Ripple of 20mA (3.9% of 504mA)

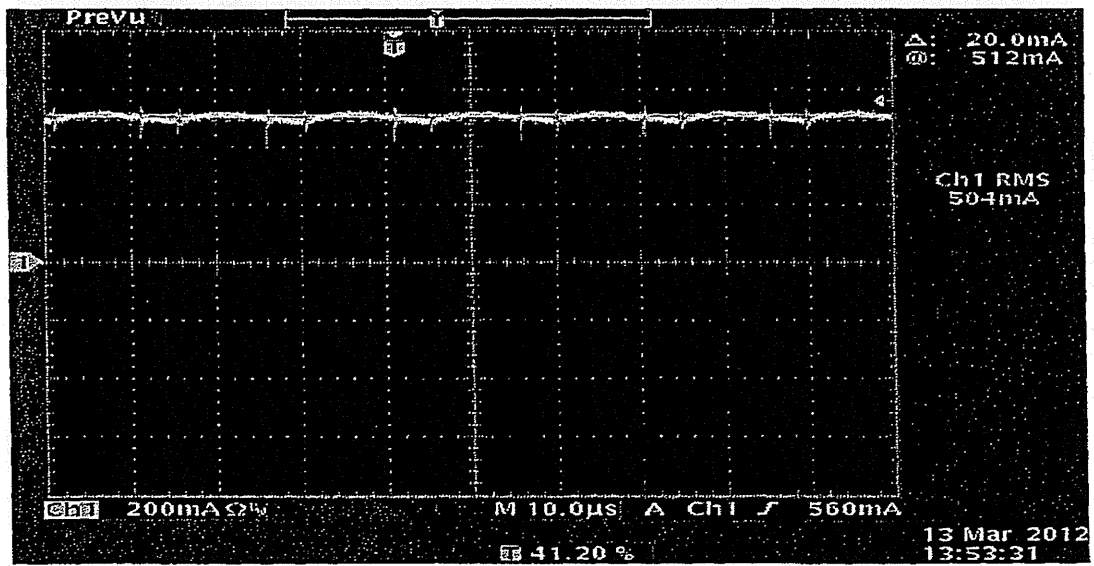


Fig. 7

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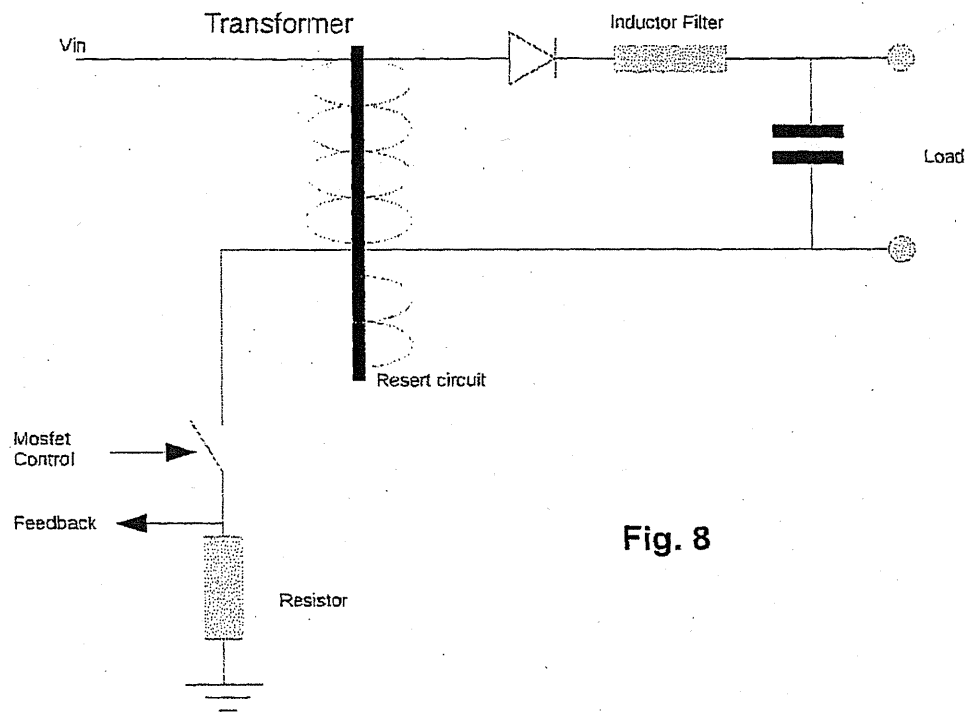


Fig. 8

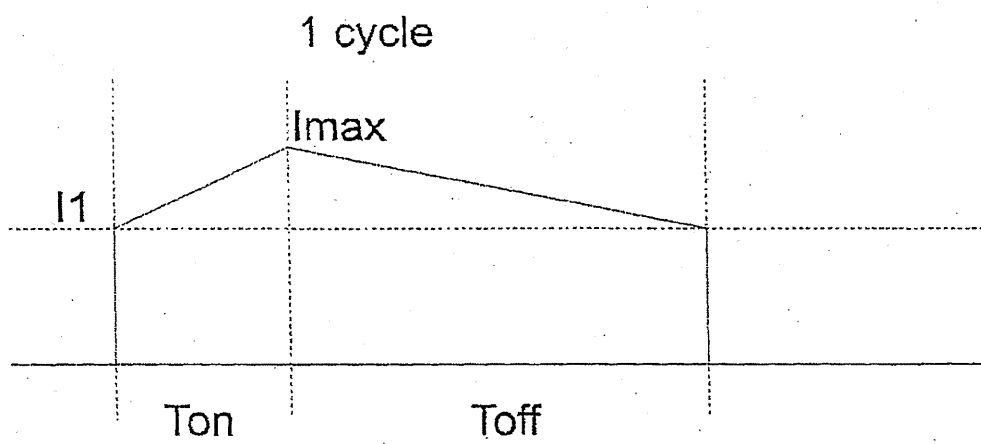


Fig. 9

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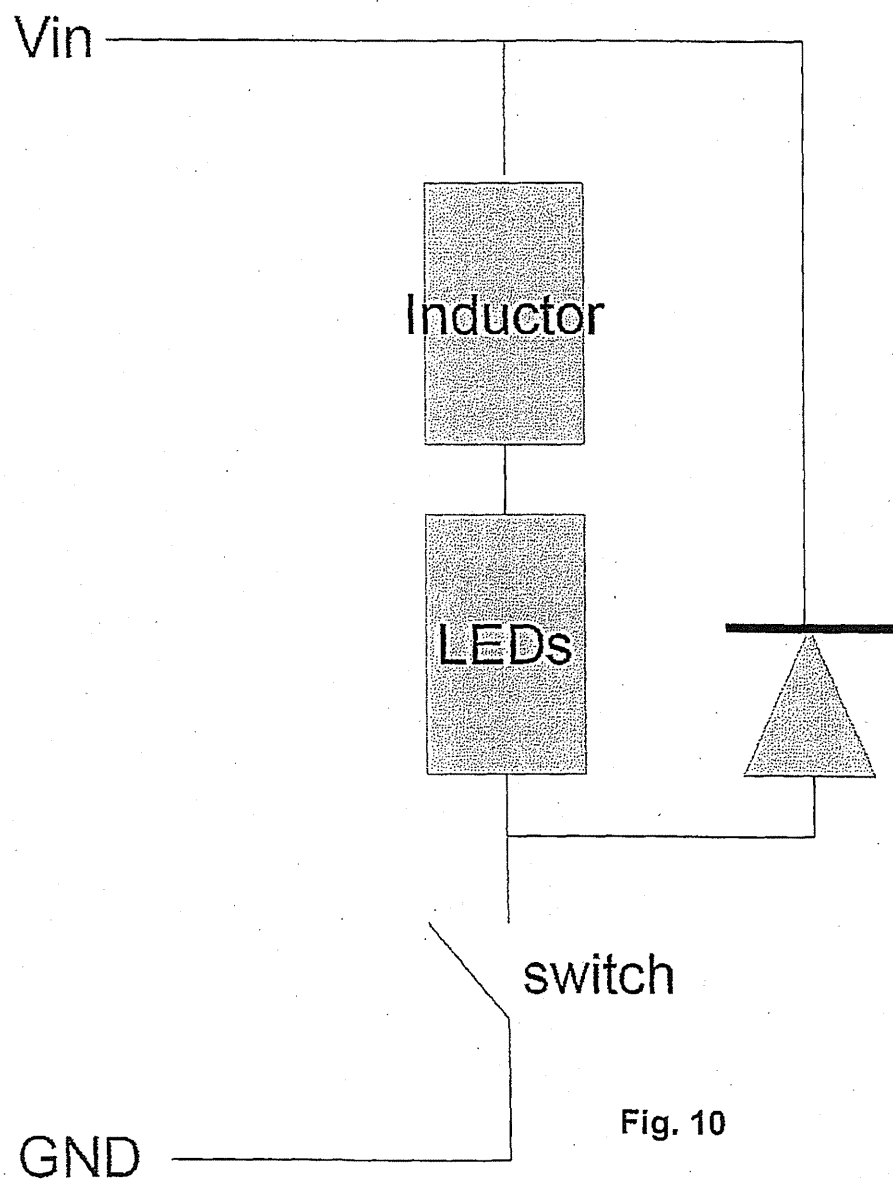


Fig. 10

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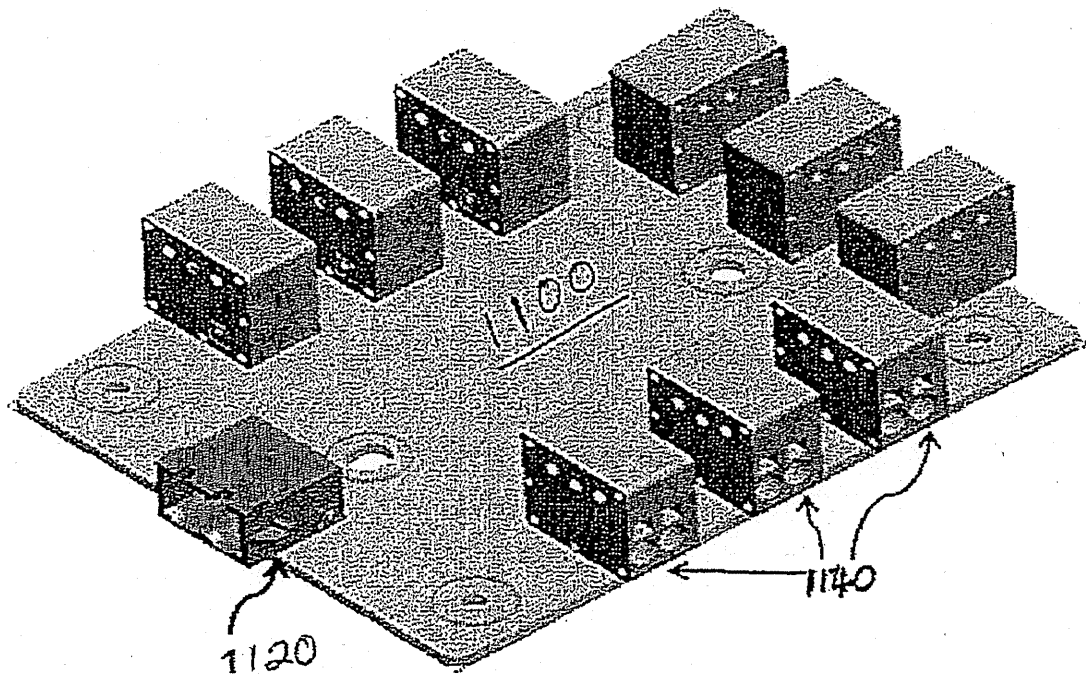


Fig. 11

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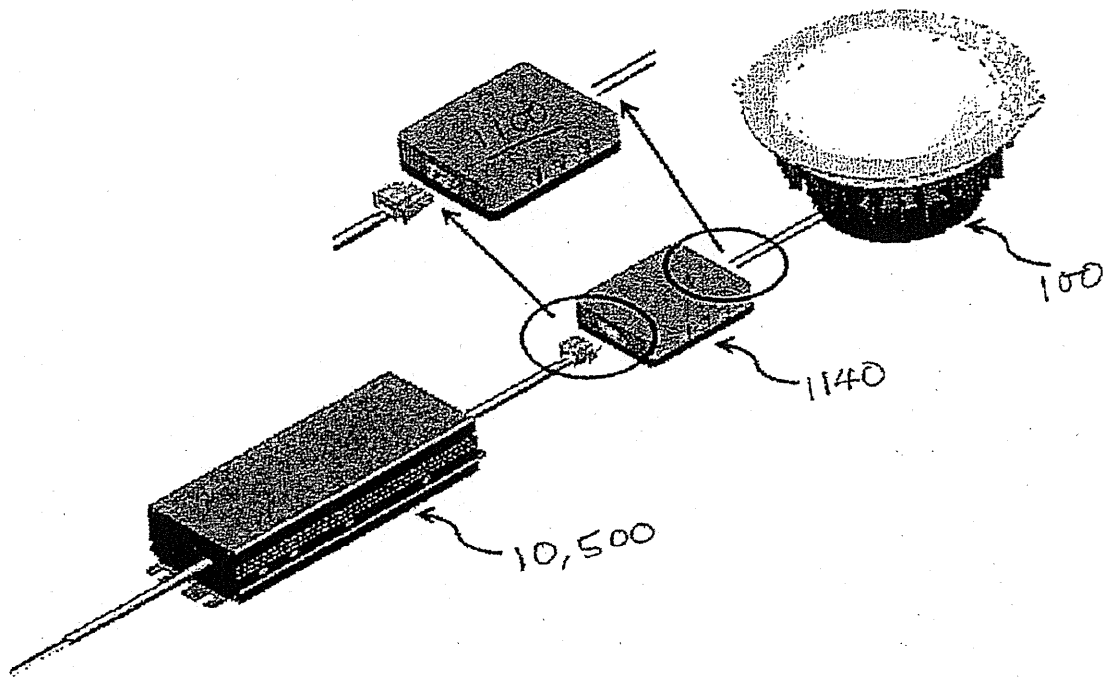


Fig. 12

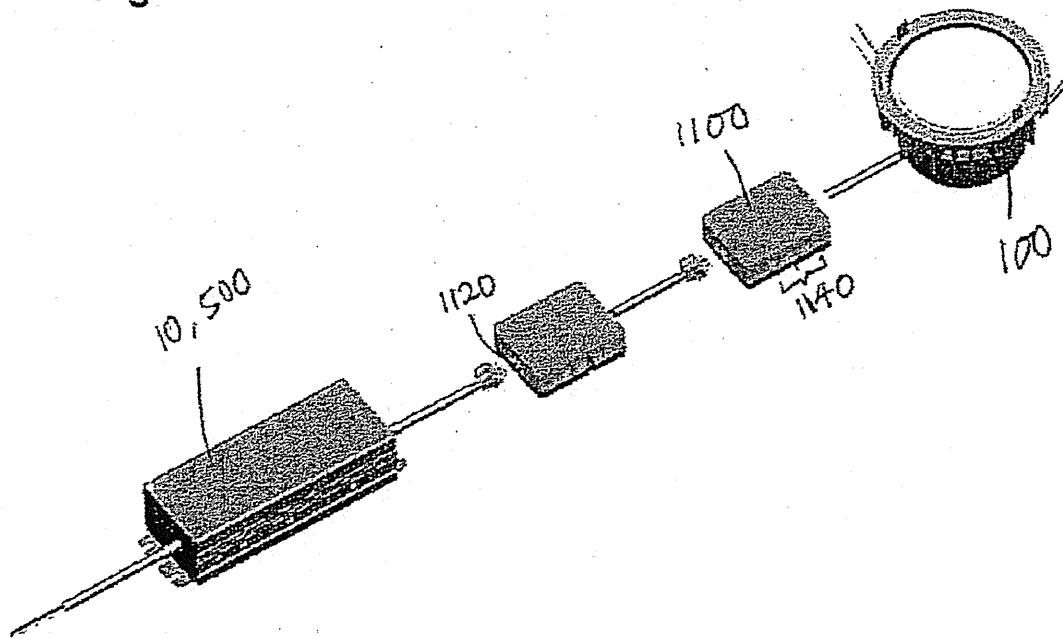


Fig. 13

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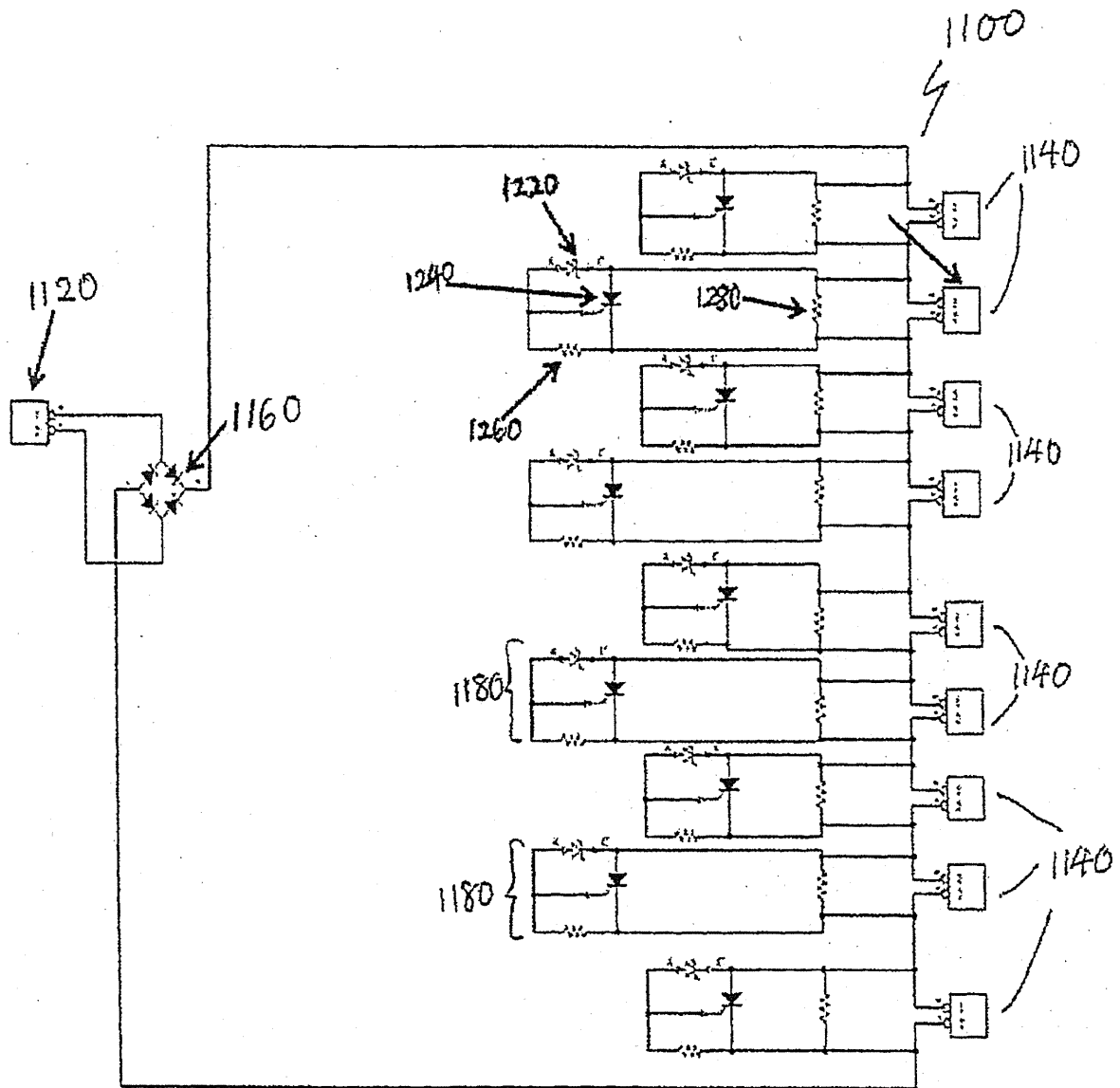


Fig. 14

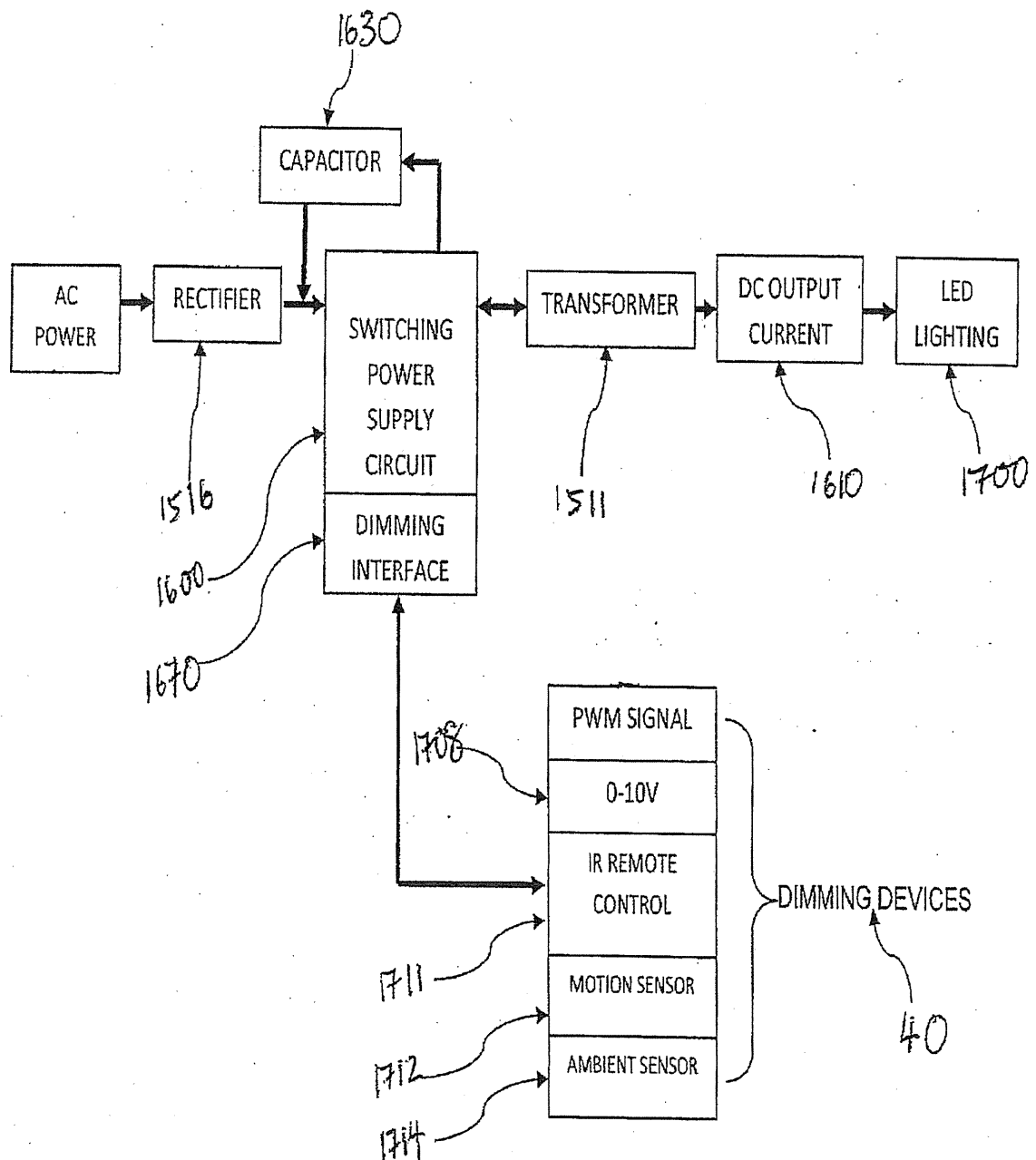


Fig. 15