

## Node-based Method and Apparatus for Circuit Prototyping (NYP ID: 0364)

### Technology

A unique apparatus design and methodology to prototype an electronic circuit systematically

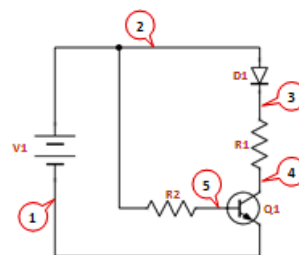
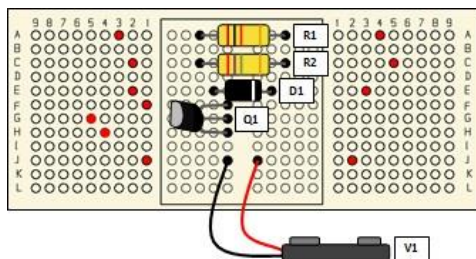
### Type of IP and status

Patent. Singapore Patent No. 2013022058.

### Overview

The novel design eliminates the need for jumper wires to be used to construct and prototype an electronic circuit. The level of difficulty to prototype/construct the circuit does not increase with increasing circuit complexity, unlike conventional breadboards.

This design also enables systematic and easy verification or troubleshooting of the constructed circuit. Ground loop noise is also reduced due to jumper-free construction.



### Potential Applications

- Rapid prototyping of electronic circuits without soldering or use of jumper wiring in the electronics and education industry
- In distance learning, where practical lab experimentation can be easily carried out by user via remote circuit prototyping and virtual instrumentation

### Advantages

- Rapid construction of circuit without use of jumper wires, independent of circuit complexity
- Fast and easy method to verify or troubleshoot constructed circuits
- Remote prototyping by user can be easily implemented, which facilitates practical training in distance learning

### Technology & Licensing Enquiries

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