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(71) Applicant: **Elka International Ltd**
221424 New Taipei City (TW)

(72) Inventors:
- **TING, Yuan-Hsi**
221424 New Taipei City (TW)
- **CHENG, Yi-Chieh**
221424 New Taipei City (TW)
- **CHEN, Yen-Tung**
221424 New Taipei City (TW)
- **HO, Hsin-Han**
221424 New Taipei City (TW)
- **HE, Ping**
221424 New Taipei City (TW)

(74) Representative: **DTS Patent- und Rechtsanwälte PartmbB**
Brienner Straße 1
80333 München (DE)

(54) TRANSMISSION LINE DEVICE, LUMINOUS TRANSMISSION LINE SYSTEM AND LIGHT CONTROL SIGNAL EXTENDING INTERFACE

(57) The present invention provides a transmission line device. The transmission line device includes a connector, and a transmission cable connected to the connector with the first end of the transmission cable. The connector consists of a first connection interface and a circuit board coupled to the first connection interface. The transmission cable includes an electric transmission part connected to the first connection interface through the circuit board and configured to transmit at least one electrical signal from the first connection interface to a second end of the transmission cable and a light-emitting part coupled to the circuit board and having at least one light-emitting element; wherein the light-emitting part receives, from the circuit board, a light control signal configured to control the at least one light-emitting element.

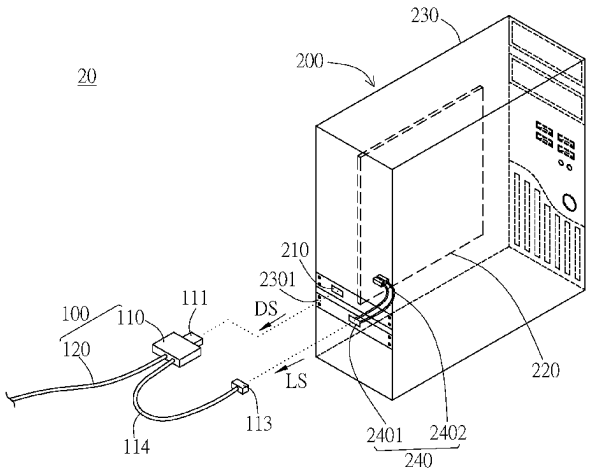

FIG. 6

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