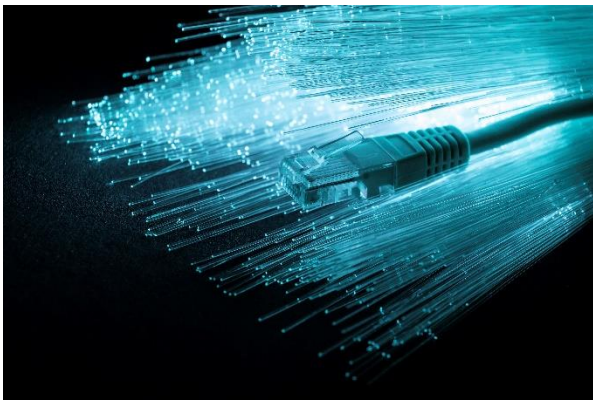


# IP MARKETPLACE

## CONNECTING INNOVATION TO YOUR BUSINESS

### TECH OFFER

## APPARATUS FOR RECEIVING OPTICAL SIGNAL



### ▶ MORE INFORMATION

#### MEGA-TREND

- **Healthcare**

#### TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 3**

#### PATENT/ GRANTED NUMBER

- **PI 2017703941**

### ▶ TECHNOLOGY OVERVIEW

An apparatus for receiving optical signal, which comprises: an optical fibre, a portion of which is covered; at least one strip of nanomaterial encircling the uncovered portion of said fibre; and a photodetector coupled to one end of said fibre, for converting optical signal to electric signal; whereby during use, an optical signal of at least one wavelength is laterally excited onto said nanomaterial-encircled portion, such that said nanomaterial will scatter the

signal into said fibre through which the scattered signal will be guided to said photodetector.

---

## CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

Email: [leecs@um.edu.my](mailto:leecs@um.edu.my)

Phone: +603 – 7967 7351 / 7352