

# IP MARKETPLACE

CONNECTING INNOVATION TO YOUR BUSINESS

## TECH OFFER

### SYSTEM FOR GENERATING PULSED LASER BEAM



#### ▶ MORE INFORMATION

##### MEGA-TREND

- **Chemicals and Materials**

##### TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 4**

##### PATENT/ GRANTED NUMBER

- **PI 2018703702**

#### ▶ TECHNOLOGY OVERVIEW

A system for generating pulsed laser beam, comprising: a laser diode pump for generating a raw laser beam; a wavelength-division multiplexer connected to said pump, for multiplexing the raw laser beam; an erbium-doped fibre connected to said multiplexer; an isolator connected to said erbium-doped fibre; a coupler, one end of which is connected to said isolator, and the other end of which is connected to the port through which

the pulsed laser beam is output; and a saturable absorber made of erbium-doped fibre, one end of which is connected to said coupler, and the other end of which is connected to said multiplexer.

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## CONTACT US!

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