

# IP MARKETPLACE

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## PROBE SYSTEM FOR BUBBLE DYNAMICS IN MIXING VESSEL



### ▶ MORE INFORMATION

#### MEGA-TREND

- **Chemicals and Materials**

#### TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 4**

#### PATENT/ GRANTED NUMBER

- **UI 2016704630**

### ▶ TECHNOLOGY OVERVIEW

The present invention relates to an improved system for probing bubble dynamics in a mixing vessel made of a transparent material. The system preferably comprises an optical recording means fixed by a bracket in the mixing vessel at a region at a depth substantially above an impeller of the mixing vessel configured for recording a still image and a video of subject bubbles therein; and a strobe light source having an adjustable flashing frequency remotely positioned outside of the mixing vessel relative to the optical recording means configured for emitting a flash light of a predefined

flashing frequency towards the region in the mixing vessel through a light converging medium.

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## CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

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

Phone: +603 – 7967 7351 / 7352