

IP MARKETPLACE

CONNECTING INNOVATION TO YOUR BUSINESS

TECH OFFER

APPLICATION OF SYNTHESISED HEAT EXCHANGING LIQUID IN IMPROVED HEAT EXCHANGERS



▶ MORE INFORMATION

MEGA-TREND

- Chemicals and Materials
- Energy and Power

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3

PATENT/ GRANTED NUMBER

- PI 2015702543

▶ TECHNOLOGY OVERVIEW

The invention relates to a method of increasing heat transfer efficiency by using an improved heat exchanger comprising at least one duct defining a fluid flow path, each duct having an inlet, an outlet and at least two steps protruding into the hollow core of the duct, with the steps being configured so that one step is smaller in dimension than the next step by stepwise and that within the hollow core, they are arranged in an order of increasing dimension toward the outlet from the inlet so as to form a hollow channel

having a stepwise decreasing inner dimension, the at least one duct contains a fluid having suspended nanoparticles.

CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7351 / 7352