



Adaptive Global Solutions, LLC

Fire Extinguishment Device and Systems (“F.E.D.S.”) Progress – Proof of Concepts updates as of 08-09-2018

Engagements:

Dr. Albert Wai-Kit Chan, Ph.D., Esq.

Dr. Wai Wong, Ph.D.

Ideation/HK, Al Kwok, Douglas Graham, and Nelson Tong

Tomson Lee

COI Ceramics, Inc., Steven Atmur, Dir., New Business, Consultant and lead liaison

SidePeople – Wade Olsen

Daniel N. Pratt, Eng., blast wave

Herbert Waddell, Eng., Advisor

Nicholas Pratt, PhD. Candidate, Worcester Polytech Institute, Worcester, MA, USA, material science and heat transfer

SolidWorks

FLIR

3M Advance Materials Division

U.S. Commerce Dept.

Patenting

Dr. Albert Wai-Kit Chan, Ph.D., Esq., Patent Counsel & Advisor

Dr. Wai Wong, Ph.D., Patent Agent & Advisor

US provisional and non-provisional Patent Applications, non-provisional PCTs including filings with non-PCT Member States (Taiwan, China/HK, et al).

Ideation/HK

Technology Transfer and Ecosystem building.

SidePeople

Ongoing discussions for software development and integration of systems/components, and cybersecurity.

COI Ceramics, Inc:

- Cost out and manage build of the FEDS Drone prototypes:
 - o Cost out of heat shielding;
 - o Cost out of airframe design;
 - o Flow simulation and testing for continuous hourly performance within an extreme high heat environment;
 - o

COI Ceramics is experience with high heat shielding designs and materials application; small to medium aircraft and drone design

- Linked with avionics developers/manufacturers;

First three (3) to five (5) prototype bodies (different configurations and extinguishment methods) with double hulled, double walled, damage tolerant airframe, heat shielded, expected March 2019, with full scale systems integration October 2019.

Worcester Polytech Institute

Opening discussions with Worcester Polytech Institute (WPI) for lab work on heat and vibration capture for thermoelectric and piezoelectric generators respectively, and heat transfer.

SolidWorks

Licensed for five (5) software drafting systems, including:

Mechanical;
3-D rendering;
Electrical;
Flow Simulation; and,
Plastics.

In discussion with its CADimensions affiliate for mechanical drafting and flow simulation work. CADimensions is currently uploading five (5) Drone drafts to my licensed account. This may become a viable entity to produce the Figures for the provisional Patent Application and the non-Provisional PCT.

FLIR

Discussions regarding the use of infra-red and near-red systems for thermal differentiation, targeting, and fire situation mapping. Also, mechanical and operational heat limitations of IR systems

3M Advance Materials Division

Discussions regarding heat shielding materials and products. Referral provided to COI Ceramics, Inc., as an entity experienced with the application of the 3M products.

Daniel N. Pratt, Eng.,

Determined the blast wave formula. Currently determining the potential to create an effective blast wave field of 50' x 120' x 60' (half the area of a US football field, at a depth of 50').

Tomson Lee

City University of Hong Kong – Liaison to develop collaborative research contacts in China, investor contacts and business mentoring.

Commerce Department initiative

Opened discussions for filing an export review. A formal request for export classification will be filed September 2018.

Michael S. Thomas, JD
President & Chief Innovation Officer
Adaptive Global Solutions, LLC
Corporate Office
World Plaza, Suite 604,
141-07 20th Avenue
Whitestone, NY 11357
MichaelThomas@AdaptiveGlobalSolutions.com
(Tel) +1 917-690-6471; +1 802-434-5506

Law Offices of Albert Wai-Kit Chan, PLLC
World Plaza, Suite 604
141-07 20th Avenue
Whitestone, NY 11357

Al Kwok
Advisor
Ideation China-HK Limited
ajkwoksj@gmail.com

Nelson Tong
VP, Business Development
Ideation China-HK Limited
ntong@ideation.com

