To: Krystle Curnutte E-Mail: krystle@tyvak.com From: Leann Nguyen Date: April 11, 2019

Subject: Request for Info - File # 0987-EX-CN-2018

Message:

Please provide information on the propulsion system which appears to be based on an ionic liquid, so International Bureau need more information about leakage and persistent droplets.

For the solar array, how they are modelled it? Solid panel of a single material (typically the highest melting point material) or some other method. Please also provide fidelity analysis.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of April 11, 2019 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number: 47325