

## Nimesh Sangani

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**From:** Michael Miller <mlmiller@sterk.space>  
**Sent:** Tuesday, December 1, 2020 2:35 PM  
**To:** Nimesh Sangani  
**Subject:** Re; RFI 1478-EX-ST-2020 Ref 58810

**Follow Up Flag:** Follow up  
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Hi Nimesh,

Thank you for sending this question "Is the Nitinol metal hinge activating successfully solely a function of exposure to the space environment, or is there an electrical component?"

Answer:

There is no electrical component in the hinge. The Nitinol metal hinge is memory metal, and when the folded spacecraft is released from the deployer, in the absence of a restraining force, the hinge unfolds to the open, retained memory shape.

I will put a reply into the correspondence system.

Please let me know any other needs. We are getting close to the need date of December 11, I appreciate your work on this.

Thanks,

Mike

415 385-3842

----- Forwarded message -----

From: <[oetech@fcc.gov](mailto:oetech@fcc.gov)>  
Date: Tue, Dec 1, 2020 at 10:10 AM  
Subject: Additional Information Request  
To: <[mlmiller@sterk.space](mailto:mlmiller@sterk.space)>



**Office of Engineering and Technology**



To: Michael Miller, Near Space Launch Inc.  
[mlmiller@sterk.space](mailto:mlmiller@sterk.space)

From: Nimesh Sangani  
[Nimesh.Sangani@fcc.gov](mailto:Nimesh.Sangani@fcc.gov)

Applicant: Near Space Launch Inc.  
File Number: 1478-EX-ST-2020  
Correspondence Reference Number: 58810  
Date of Original Email: 12/01/2020

Is the Nitinol metal hinge activating successfully solely a function of exposure to the space environment, or is there an electrical component?

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 12/01/2020 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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