United States District Court
Northern District of California
Case No. 4:24-CV-04722-YGR
Case Title Musk et al. v. Altman et al.
Exhibit No. DX-0844
Date Entered
Mark Busby, Clerk
By:_____, Deputy Clerk
DEFENDANT

**From:** Gabe Newell
**To:** Elon Musk
**Subject:** RE: Two things
**Date:** Friday, November 2, 2018 6:40:29 PM

Thanks. I've sent mail to Hideo, Max, and Shivon.

Happy to talk about Tesla and AI when you're ready.

**From:** Elon Musk <erm@spacex.com>
**Sent:** Friday, November 2, 2018 12:58 AM
**To:** Gabe Newell <[redacted]>
**Subject:** Re: Two things

Sorry for the delay in responding. Sometimes i get a little backlogged on email. My cell is [redacted]

Sure, it would be great to meet Hideo Kojima and he's welcome to see the rocket factory. No problem to send him my email.

Best person to talk to at Neuralink is Max Hodak (max@neuralink.com), who is the de facto head of day to day operations. Shivon Zilis is also worth talking to (predictably at shivon@neuralink).

We've made some pretty insane technical progress. This is highly confidential, but we're now able to implant ~6000 electrodes in a monkey brain with decent signal/noise. Moreover, the electronics are compact enough to be flush with the skull and the only thing visible is the USB-C opening and slight surround. Very trippy. Just like Neuromancer.

Regarding OpenAI, my involvement is very limited at this point. I still provide some financial support and get verbal and email updates every few weeks from Sam Altman, but don't spend time there. I lost confidence that OpenAI could muster the resources to serve as an effective counterweight to Google/Deepmind and decided to attempt that through Tesla instead. We have cash flow on the order of billions of dollars per year to build hardware that hopefully has at least a dark horse chance to keep Google honest. Probably worth talking about at some point.

Elon

On Oct 31, 2018, at 4:17 PM, Gabe Newell <[redacted]> wrote:

1) Hideo Kojima (*Metal Gear* series, a real visionary in our field) was here at Valve talking about his new game, and he mentioned the importance he places on future work in AI. I said I'd be happy to introduce him to the people at OpenAI and spoke enthusiastically about the work that team has done with us (I'm not sure how involved you are with them nowadays). The second thing is he was talking about how much he wants to go into space, and I offered to introduce him to you. He'd love to get a SpaceX tour.

2) For a long time I thought neuromodulation (e.g. rTMS) was weird, mainly because I had an unsophisticated understanding of a bunch of aspects of the brain. I've more or less done a 180, and think there is a significant near-term consumer market. Is this something I should bring up with the Neuralink team? If so, anyone in particular I should chat with there?

Hope you are well.

**From:** Elon Musk
**To:** Gabe Newell
**Subject:** Re: Two things
**Date:** Friday, November 2, 2018 12:57:56 AM

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