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NEUROAGE

Newsletter

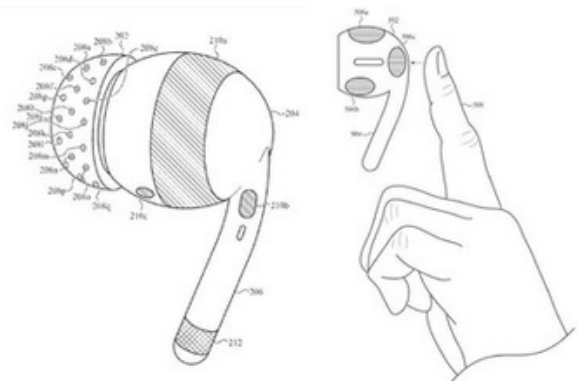
New From The NeuroRights Foundation

Instagram: Recapping Key Takeaways from UNESCO's International Conference on the Ethics of Neurotechnology. Click on our graphic to check it out!



Twitter: Rafael Yuste's Meeting on Brazil's New Constitutional Amendment. Click on our graphic to check it out!

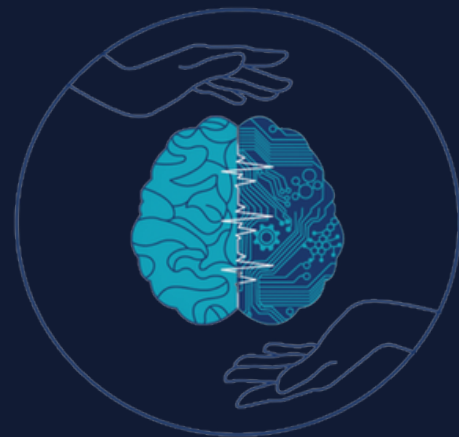
Apple's New AirPods Sensor System



The US Patent and Trademark Office recently published a patent application for Apple, which relates to a newly invented AirPods Sensor System. This system could include electrodes to measure biosignals and electrical activity of a user's brain, with measures potentially including EEG, EMG, and EOG biosignals. Using electrodes placed on the scalp or in or around the outer ear of the user, the brain activity of users can be monitored by the AirPods. To get a properly customized ear-EEG device, users would likely need to pay more money for the devices.

About Neuroage

Welcome to the latest Neuroage newsletter, your trusted source for all things neurotech, neuroscience, and NeuroRights. As always, we hope you enjoy this insightful edition, where we continue to navigate the exciting world of neurotech, neuroscience, and NeuroRights. For more news and updates on these topics, follow us on social media.





New in Neurotechnology

NURO Expands to Latin America

Non-invasive neurotech company NURO has already been in the market across North America and the Middle East. Now, they have announced that they are expanding to Latin America as well, a move strategically decided based on Latin America's diverse population and growing demand for advanced yet affordable healthcare solutions. NURO hopes to appeal to consumers with its "safe and pain-free approach to neurotechnology" as it continues its global growth in the healthcare field.

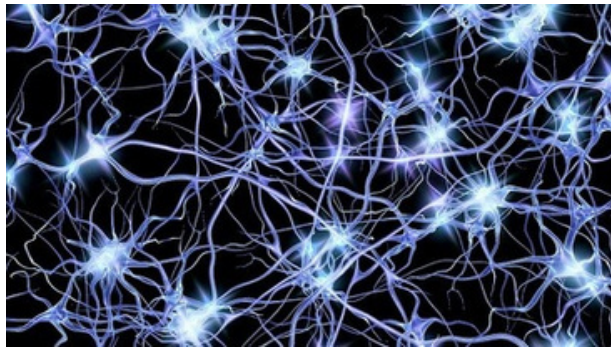
[Read Here](#) (Source: EIN News)



INBRAIN Neuroelectronics' Graphene-Neural Platform

The company, which works at the intersection of medtech, deeptech, and digital health, has announced their pursuit of developing the world's first intelligent graphene-neural platform. The two-dimensional material will enable ultra-high signal resolution at never-before-seen levels to detect therapy-specific biomarkers for personalized neuroelectronic therapy.

[Read Here](#) (Source: Business Wire)



New in Neuroscience

Increasing Neural Activity in Neonatal Mice

A study recently published by researchers at The Pennsylvania State University has found that increased neural activity can be elicited by sensory stimulation in neonatal mice during REM and NREM sleep. This was done using optical imaging, electrophysiology, and BOLD fMRI. This change in arousal states can have large effects on hemodynamic signals across the cortex.

[Read Here](#) (Source: Nature)

New in Neurights

Recapping UNESCO's Ethics of Neurotechnology Conference

On July 13, 2023, UNESCO held its first ever conference on the Ethics of Neurotechnology, held in Paris, France. The conference included information on the use of neural data, social inequalities, and their own Recommendation on the Ethics of AI. Keynote speakers, including our own Rafael Yuste, were experts from all over the world with various concerns and suggestions on how to protect individuals from the harm of neurotechnology. On neurotechnology, UN Secretary-General António Guterres said "this progress is a cause for celebration – and a reason for caution. We must safeguard ethical standards and ensure the full protection of human rights." Read more on the key takeaways from the conference on our Instagram, post imbedded on page 1 of this newsletter.

[Read Here](#) (Source: UNESCO)

