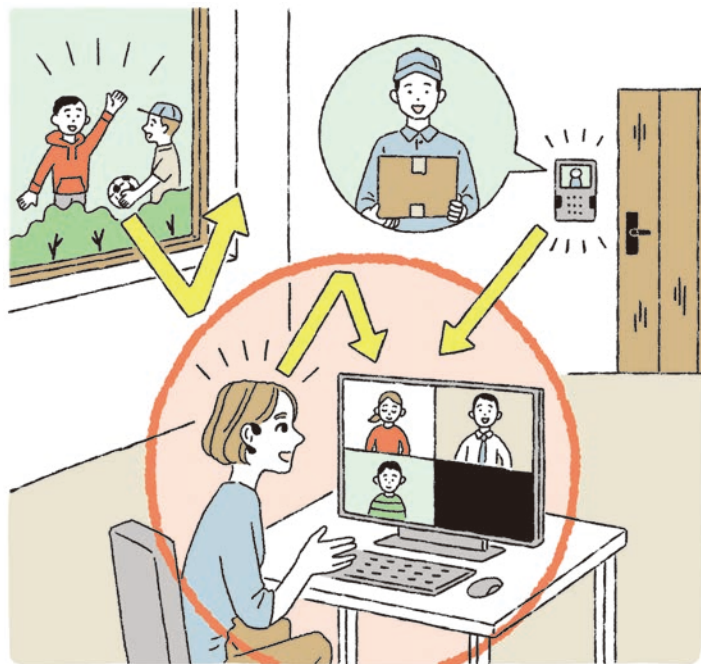


Delivering select sounds to those who want to hear



Background

For comfortable remote communication in the future, "location-independent" ways of working and enjoying various areas such as work and entertainment are expanding. However, the sound environment is not always suitable for such situations as noisy surroundings during remote work.

Summary

We are working on research and development of "Personalized Sound Zone (PSZ)" that realize "hearing only the sound you want to hear" and "not leaking sound to the surroundings" by controlling the sound environment according to the individual.

Feature 1

Near-field sound control technology for open-ear earphones to suppress sound leakage to surroundings

Feature 2

Active noise control technology for shutting out undesired sound without blocking the ears

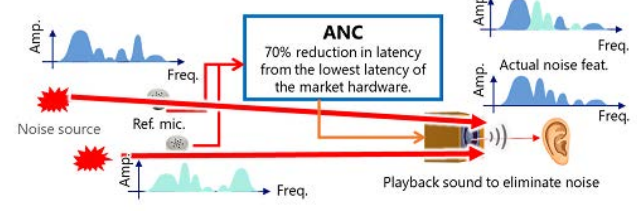
Near-field sound control technology for open-ear earphones : PSZ Wearable

- Emits waves that cancel sound leakage from the side surface of the enclosure
- Improved enclosure to match sound leakage and direction of cancellation sound emission



Active Noise Control : ANC

- Ultra-low latency processing by analog and digital hybrid processing
- Noise estimation considering sound wave propagation



Future benefits

Enjoy movies and music in airplanes and autos without the pressure of headphones, or conduct web conferencing in your office or home without worrying about leaks to the surrounding environment.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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