

SUTO Design Lab

The design for living a happy life

About Mr.Suto



Masatoki SUTO

- 1955 Born in Ichinoseki-city, Iwate (Japan)
- 1978 Graduated in Industrial design at **Tokyo Zokei University**
Entered **Minolta camera**
- 2006 Retire from **Konica Minolta**
- 2007 Employed as Associate professor
in **Nagoya Institute of Technology**

Masatoki SUTO's works

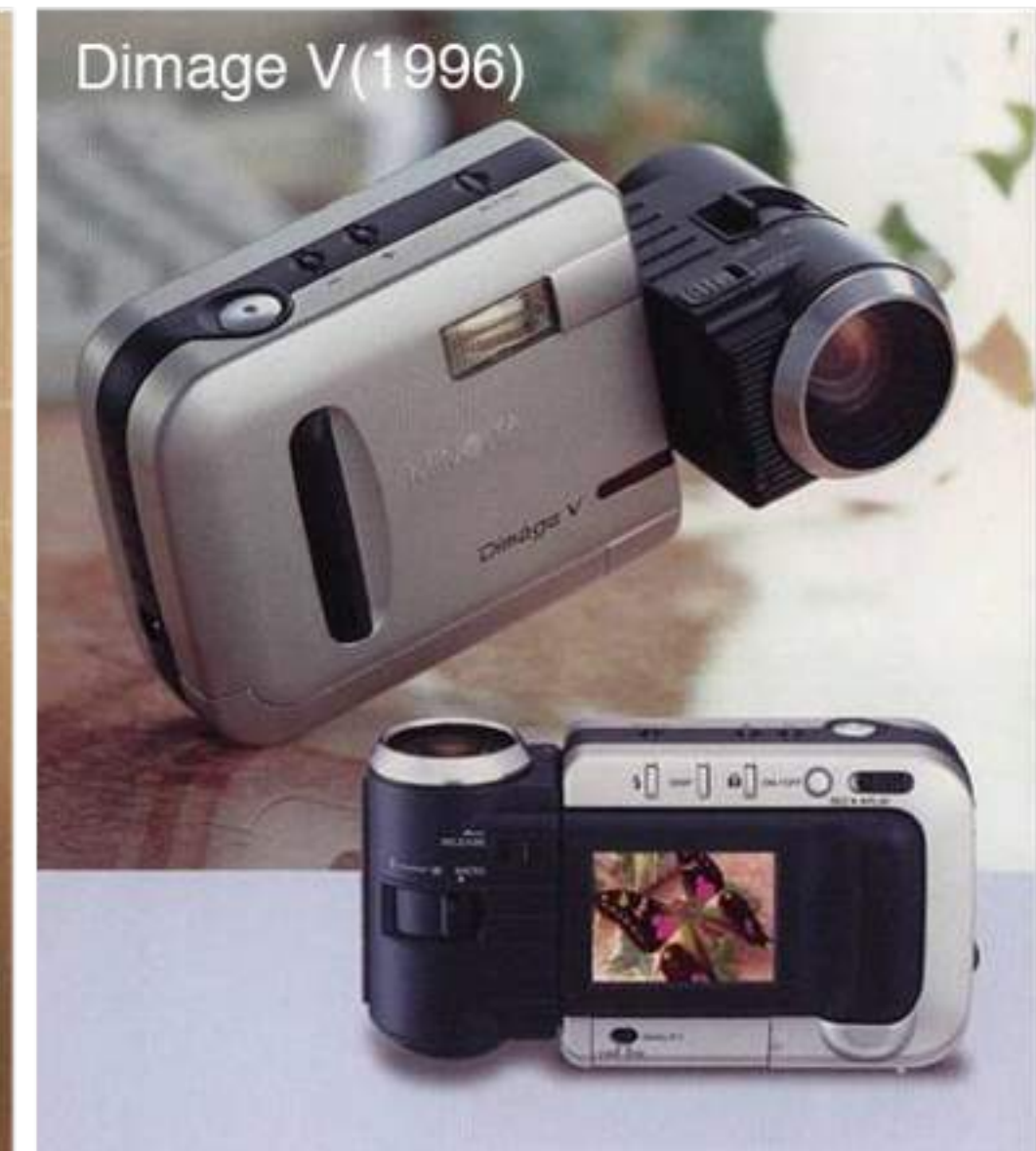
Vectis 2000 (1999)



TC-1 concept model (1996)



Dimage V (1996)



SUTO Design Lab's Theme

1. Development of a **Japanese paper thread & the Japanese paper cloth**
国産間伐材を原材料とした和紙糸及び、和紙布の開発 (which assumed domestic thinning materials raw materials)
2. Study of the **visualization of the sound by HMD** (for person having hearing difficulty)
聴覚障害者を対象としたHMDによる音の可視化の研究
3. A design for **wearable information terminal device**
ウェアラブルデバイスのデザイン
4. Study on **mental health care with the photograph image** (improvement of the self-immunity)
写真画像によるメンタルヘルスケア（自己免疫力の向上）に関する研究

Development of Japanese paper thread & Japanese paper cloth

which assumed domestic thinning materials

国産間伐材を原材料とした和紙糸及び、和紙布の開発



Effective utilization of thinning timber is needed

How to make paper fiber & paper cloth

Make paper

Cut paper thinly

Spin yarn



Sample pict

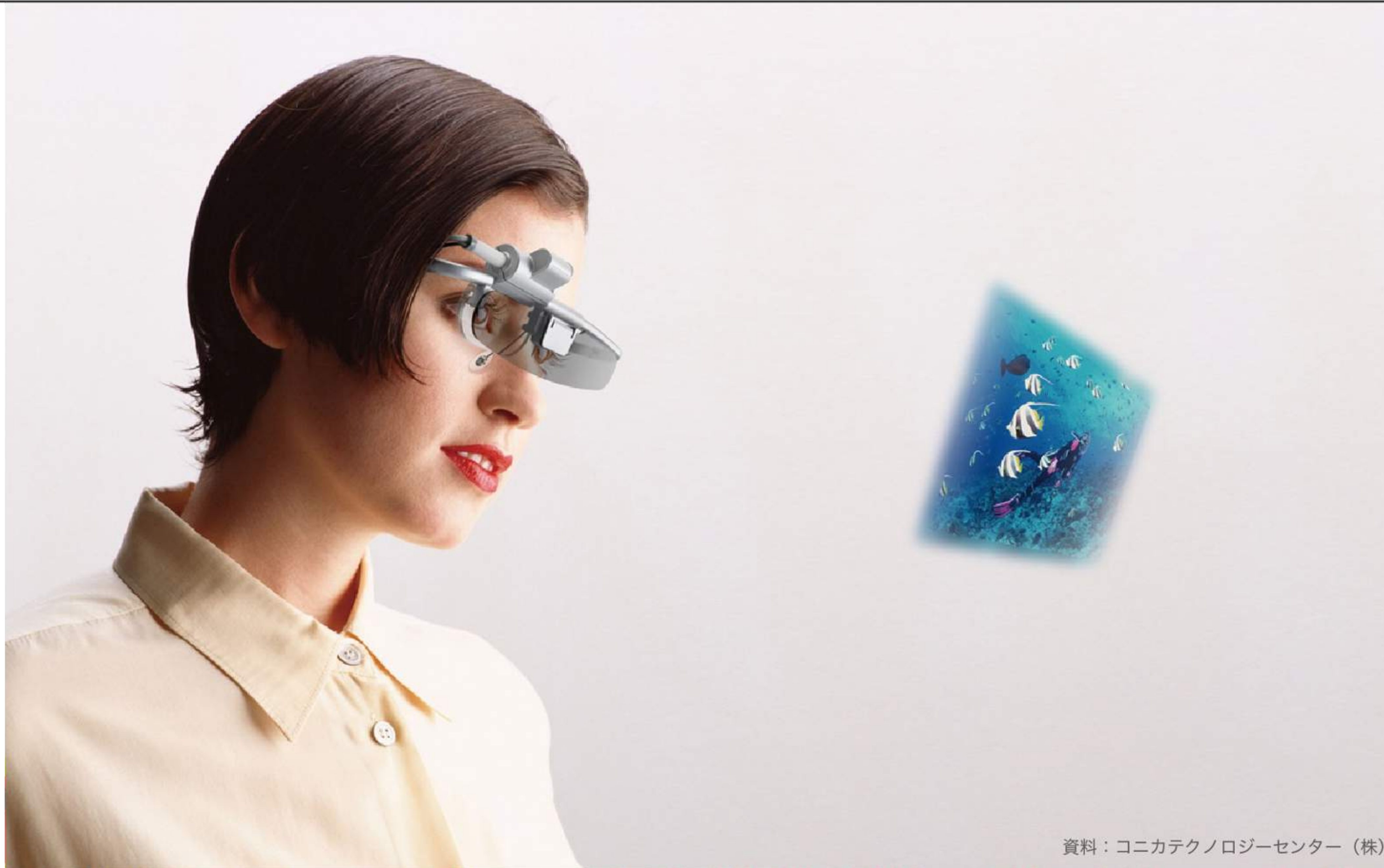


Study of the visualization of the sound by HMD

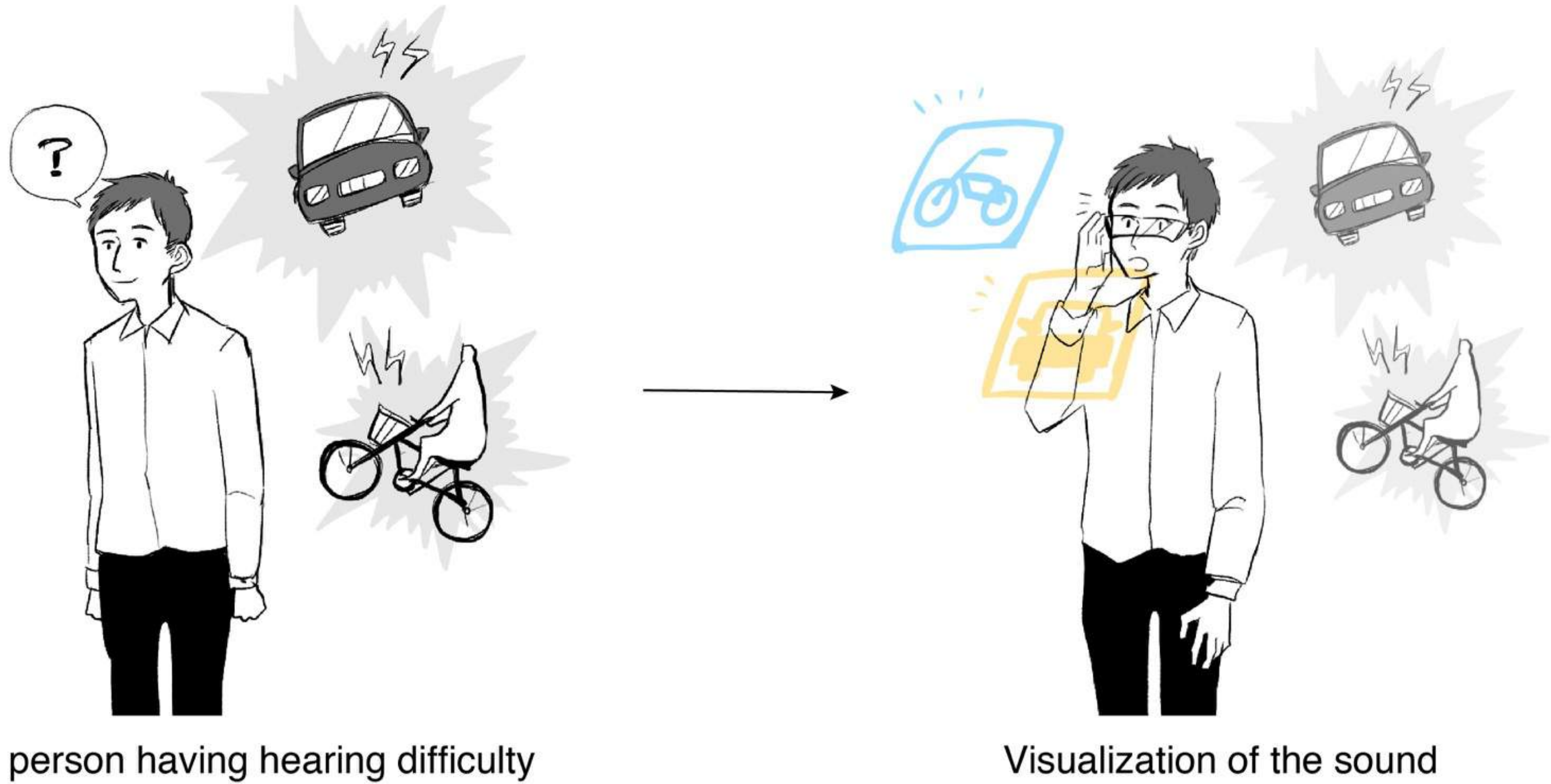
for person having hearing difficulty

聴覚障害者を対象としたHMDによる音の可視化の研究

Study of the visualization of the sound by HMD for person having hearing difficulty



Study of the visualization of the sound by HMD for person having hearing difficulty



simulation



Design development



Safety Guidelines for Walking Safely with Wearing HMD

HMDを装着して安全に歩行するための安全指針（案）



Regulations on use are necessary to ensure safety
when walking outdoors with wearing HMD.

*屋外歩行時の安全を確保する為に使用に関する規定が必要。

HMD is not a device that anyone can safely use.
There are people suitable for HMD use and people unsuitable.

HMDは誰もが安全に使える装置ではない。
HMD使用には向いている人と不向きな人がいる。

People who are unsuitable can expect improvements by practicing.
The simplified practice method for getting used can be expected to have a certain effect.
(* As a result of the effect experiment, there were subjects who had an effect)

不向きな人は練習をする事で改善が期待できる。
慣れる為の簡易練習法は一定の効果が期待できる。
(*効果実験の結果、効果の認められる被験者がいた)

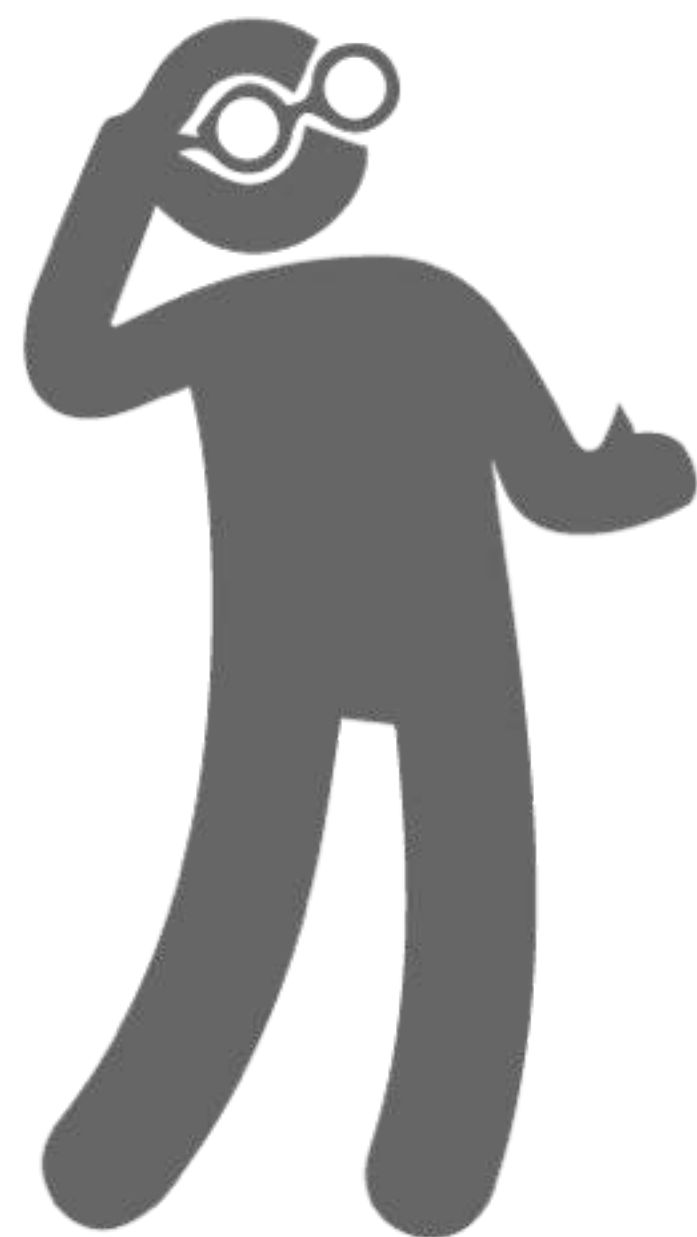
It is necessary to check the reaction rate on a regular basis (recommended 1 year).
One indication is that it can react within 1 second by simple reaction inspection.

定期的に（推奨1年）反応速度を確認する必要がある。
簡易反応検査で1秒以内で反応できることが一つの目安となる

In use, self-responsibility is in principle.

使用に際しては自己責任での使用が原則である。

SUITABLE



UNSUITABLE



HMD is not a device that anyone can safely use.
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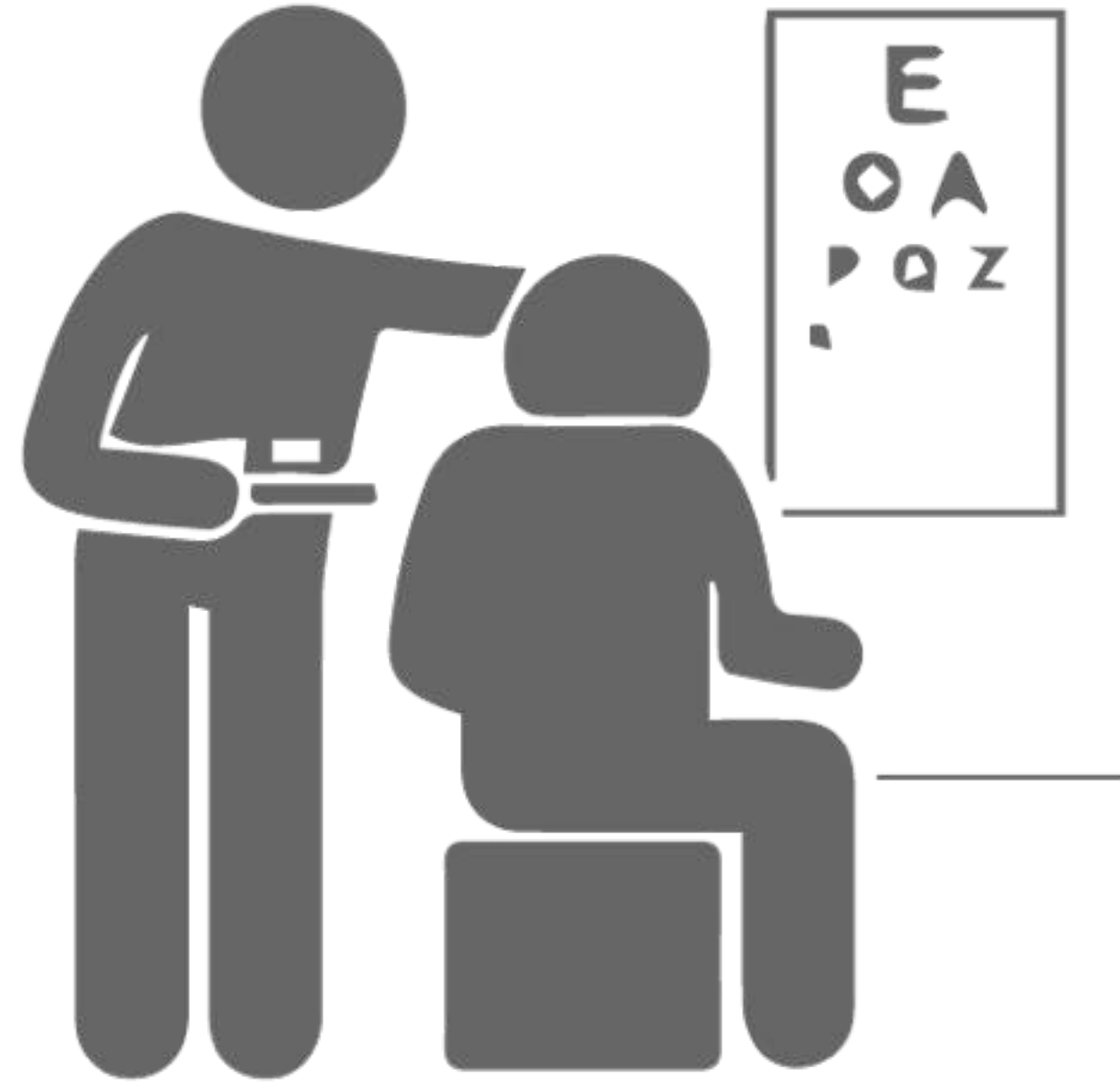
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SELF RESPONSIBLE!



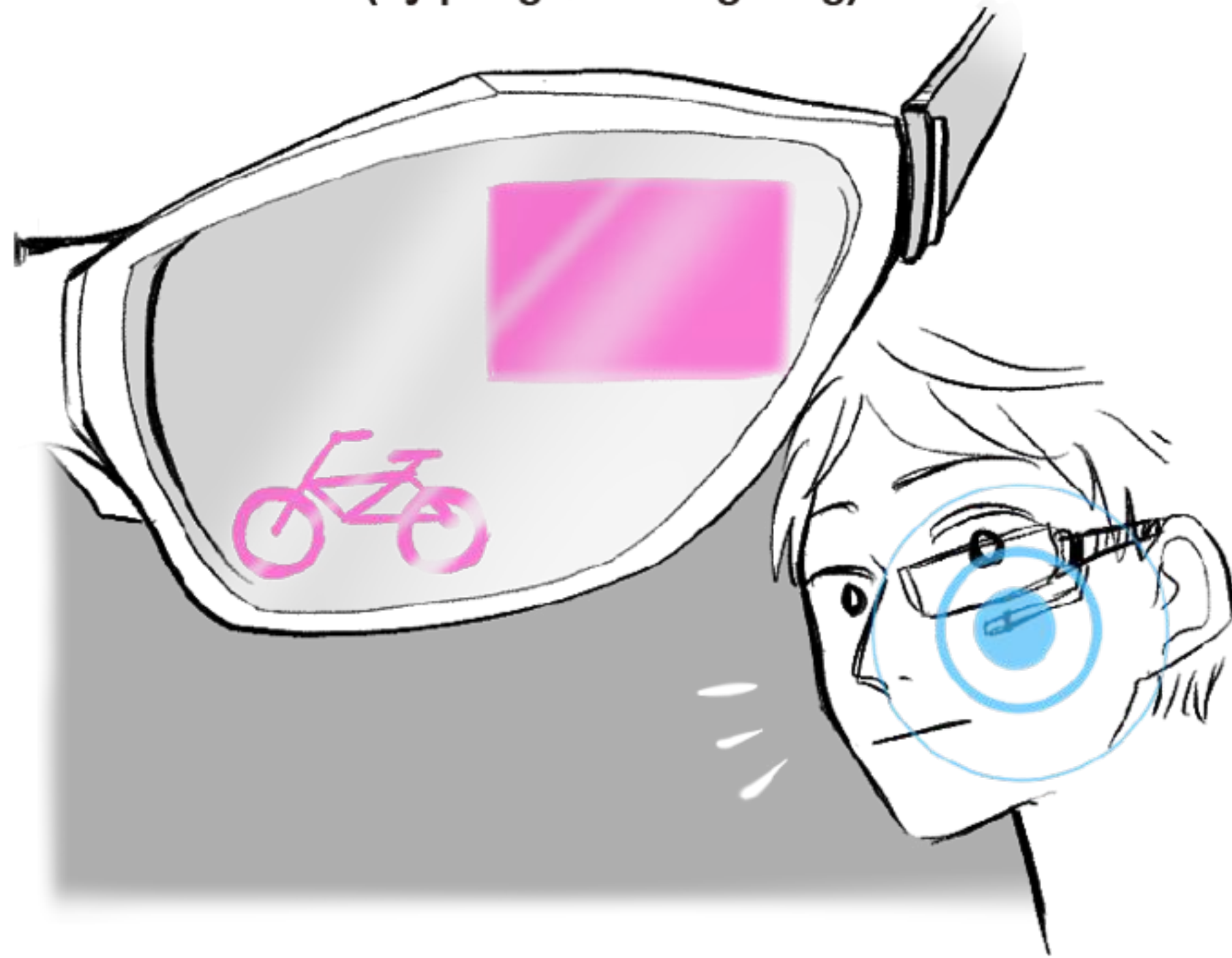
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How to inform the sound?

Visualizing sound

(by pictgram or lighting)



Vibration



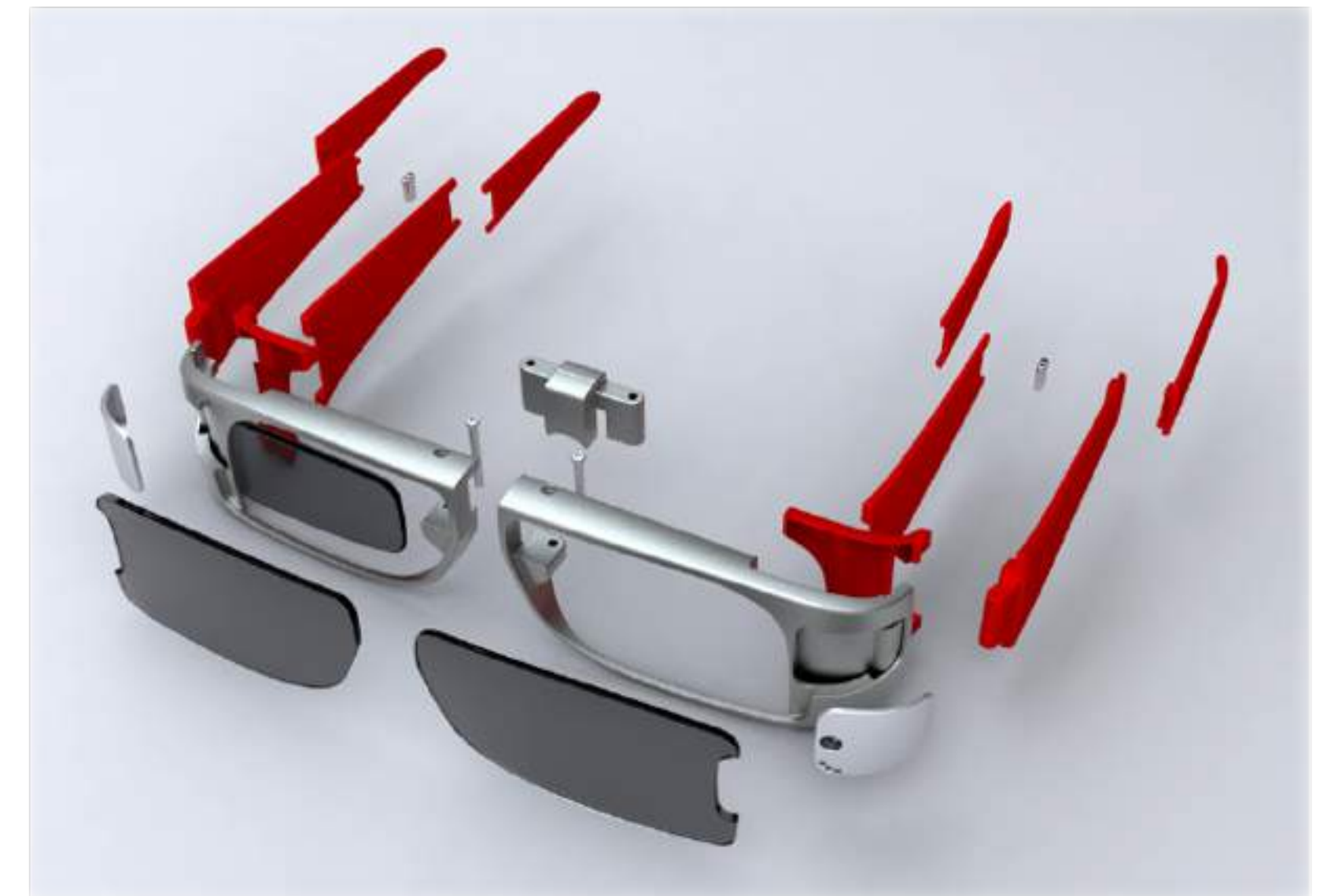
In order to safely use HMD, we will continue to study about human characteristics in future

*HMDを安全に使用する為には人間の特性について、今後も研究しなければならない。

A design for wearable information terminal device

ウェアラブルデバイスのデザイン

A design for wearable information terminal device



Study on mental health care with the photograph image

improvement of the self-immunity

写真画像によるメンタルヘルスケア（自己免疫力の向上）に関する研究

Study on mental health care with the photograph image (improvement of the self-immunity)



Study on mental health care with the photograph image (improvement of the self-immunity)



What kind of change will happen to the brain when we see a photograph

Study on mental health care with the photograph image (improvement of the self-immunity)

Smiling faces



Landscape



Environmental problem



Measurement of brain blood flow

脳血流の測定



Smiling faces



Brain blood flow Change

Landscape



Brain blood flow don't Change

Environmental problem





Thank you.