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TOUCH PAD EMBEDDED IN HMD DEVICE

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Touch Pad Embedded in HMD Device

Abstract

The new machine is able to make the user who wears a HMD device access the host, like PC or NB, without hand controllers, like joysticks, keyboard, or mouse, but with a touch pad embedded in HMD(Head-Mounted Display) device.

Description

In the past, a user, while wearing a HMD device needs to access the host by hand controllers, like joysticks, keyboard, or mouse. However, this user could not see these hand controllers while wearing a HMD device. With a touch pad embedded in the HMD device, this user can access the host by finger touching the touch pad, just like the way we access NB through the touch pad on NB.

Application Concept

A touch pad is embedded in the HMD device, such as on the HMD external facing cover. A user can access the host through this touch pad just like the way we access NB through the touch pad on NB. In this manner, a user can pair devices or otherwise work with the HMD parameters.

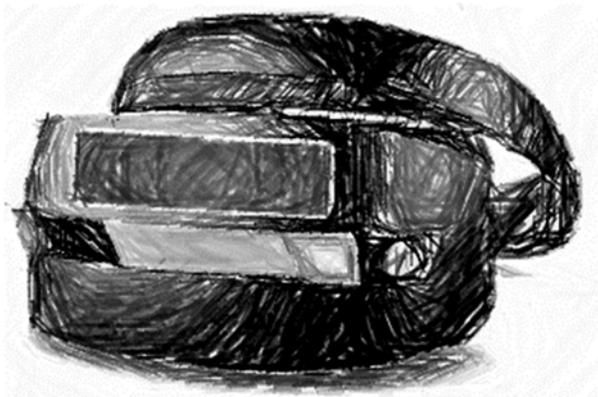


Figure 1: HMD Device with a touch pad embedded in

Conclusion

With a touch pad embedded in HMD device, the user wearing this HMD device can easily access the host without hand controllers but the touch pad only. Various applications can also be broadened by this HMD device, like special touch patterns for gaming instructions, user or vendor defined touch gestures, and so on. To sum up, the new machine assists HMD device users and vendors a new way in communicating with hosts and creating a number of applications.

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