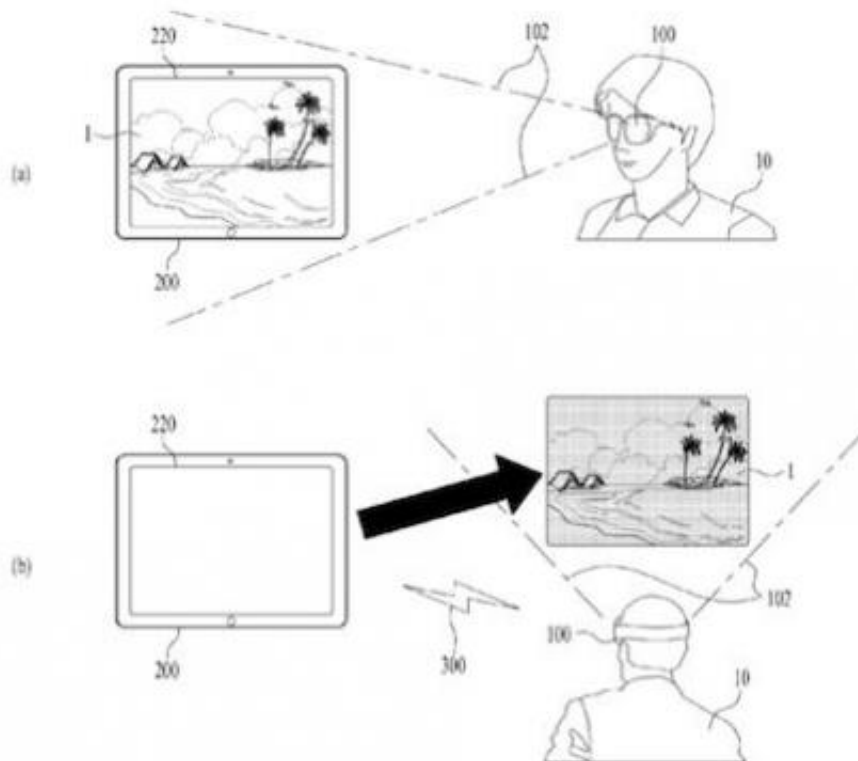


# LG Electronics HMD patent sets sights on video viewing

April 26 2013, by Nancy Owano



Credit: USPTO

(Phys.org) —Such a concept: outputting currently-displayed content of a user's digital device to an HMD. But there is an added nuance where the video follows you no matter where you look. LG Electronics filed a patent for its head mounted display that can show you your video content even when you are looking away from your external device.

In the patent, "[Head mounted display](#) and method of outputting a content using the same in which the same identical content is displayed," originally filed August 16, 2012, LG Electronics proposed its idea about using HMDs to provide [video content](#).

When the user is staring at the device, the HMD is inactive.

When the user looks away from the device, the same content will appear before the user's eyes. The device can generate a "buzz" when there is that point of the user switching from device to glasses for viewing.

The [patent](#), filed by [LG Electronics](#) in 2012, was assigned to the company earlier this week.

"According to the present invention, a location state of a digital device may be determined based on eyes of a user who wears an HMD. The HMD of the present invention may further include an image photographing sensor configured to detect a position of the [pupil](#) of the user wearing the HMD and may be able to track eyes of the corresponding user using the image photographing sensor. Therefore, the location state of the digital device of the present invention may be determined based on whether a display unit of the digital device is located within a view angle region of the user wearing the HMD. In this case, the view angle region may include a region within a predetermined range corresponding to the eyes of the user wearing the HMD. In particular, according to the present invention, the location state of the digital device may include a third state in which the display unit of the digital device is located within the view angle region of the user wearing the HMD and a fourth state in which the display unit of the digital device is not located within the view angle region of the user wearing the HMD. Meanwhile, according to an embodiment of the present [invention](#), a location state of a marker may be also determined based on the eyes of the user wearing the HMD in the manner mentioned in the above

description."

**More information:** Patent: [Head mounted display and method of outputting a content using the same in which the same identical content is displayed](#)

via [Engadget](#)

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