

Phabulous



Virtual & Augmented Reality

Free-form micro-optics for AR/VR headsets with improved image resolution and reduced volume and height

Pilot Line Use Case by LIMBAK



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Free-form microlens arrays (FMLAs) allow for further miniaturization and improved image resolution for free-form optical lenses. PHABULO μ S partner LIMBAK is a European SME design firm and IP company specialized in developing and licensing extreme performance optics in the market of Virtual Reality (VR). Their patented technology Thin-Eyes offers an ideal basis for further miniaturization demands to allow the headsets to work similar to the eyes of insects, with displays located very close to users' eyes and therefore allowing headsets the size of sunglasses. Besides using LIMBAK's advanced optical design capabilities will be applied not only to its own VR-AR use-case, but to all the different pilot lines/use cases, transversally, to help optimising different optical solutions when needed.

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