LENS, PROJECTION DEVICE, VEHICLE LAMP DEVICE, AND VEHICLE

ABSTRACT

Embodiments of this application pertain to the field of optical technologies, and provide a lens, a projection apparatus, a vehicle lamp apparatus, and a vehicle. The lens includes at least six lens elements arranged from an image side to an object side. A lens element closest to the image side in the lens has positive focal power, there are at least three lens elements having positive focal power in the lens, and there is at least one lens element having negative focal power in the lens. The lens satisfies a relation: 33 mm<EFL<38 mm, where EFL is a focal length of the lens. Such disposition can make the lens have features of both a large aperture and a large field of view.

FIG. 2