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(71) Applicants: **FORGETSPECS.COM PTY LTD**
[AU/AU]; Level 6, 175 Eagle Street, Brisbane, QLD 4000
(AU). **QUEENSLAND UNIVERSITY OF TECHNOLOGY**
[AU/AU]; Level 6, 175 Eagle Street, Brisbane, QLD
4000 (AU).

(72) Inventors: **EDWARDS, Darrell, Bruce**; Level 6, 175 Eagle Street, Brisbane, QLD 4000 (AU). **ATCHISON, David, A.**; Level 6, 175 Eagle Street, Brisbane, QLD 4000 (AU). **SUHEIMAT, Marwan**; Level 6, 175 Eagle Street, Brisbane, QLD 4000 (AU).

(74) Agent: **SPRUSON & FERGUSON**; GPO Box 3898, Sydney, New South Wales 2001 (AU).

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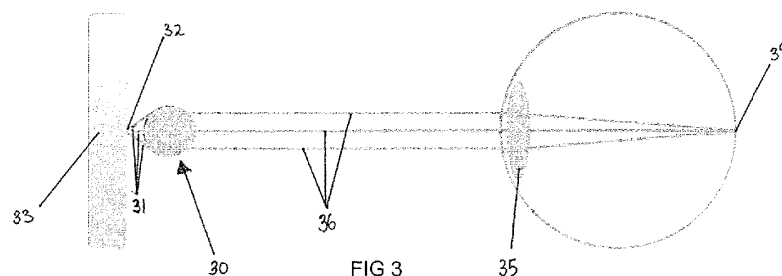
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(54) Title: DEVICE AND METHOD FOR ALTERING THE VERGENCE OF LIGHT TO IMPROVE HUMAN VISION OF AN ELECTRONIC DISPLAY



(57) Abstract: A device for altering vergence of light to improve human vision of an electronic display. The change in vergence is received at the pupil of the wearer. The altered light effectively recreates the rays emitted by a pixel such that they reach a presbyopic eye as though they were being viewed at a distance (i.e., the rays are substantially parallel). As such, the emmetropic presbyopic eye produces a sharp image of the electronic display. The device comprises: a refractive element that refracts rays, emitted from a pixel of an electronic display, at a predetermined vergence, wherein the refractive element is located directly adjacent or on the electronic display.

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