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- (71) **Applicant:** DRAGONFLY OPTICS LLC [US/US];
10014 NE 127th Place, Apt 103, Kirkland, Washington
98034 (US).
- (72) **Inventor:** O'DUFFY, Jonathan; 10014 NE 127th Place,
Apt 103, Kirkland, Washington 98034 (US).
- (74) **Agent:** ABRAMONTE, Frank et al.; Cozen O'Connor,
999 Third Avenue, Suite 1900, Seattle, Washington 98104
(US).

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(54) **Title:** METHODS, APPARATUS, AND ARTICLES TO ENHANCE BRAIN FUNCTION VIA PRESENTATION OF VISUAL EFFECTS IN FAR AND/OR ULTRA-FAR PERIPHERAL FIELD

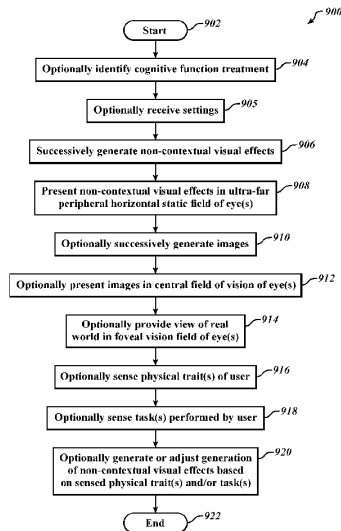


FIG. 9

(57) **Abstract:** Apparatus and methods present visual effects in at least a respective ultra-far peripheral horizontal static field of the eyes of a user to improve or enhance brain function. The visual effects are non-contextual with respect to content appearing in a central field of vision, and do not constitute a cursor, a user input field or other user interface element. The ultra-far peripheral horizontal static field extends rearwardly from a fovea centralis of the eye in a straight ahead static gaze direction to 100 degrees or more rearwardly from the fovea centralis. Such can be used to treat or improve: traumatic brain injury; acuity, focus, visual convergence, visual sustainability, visual processing, visual field, retinal health, brain field health, visual discrimination, visual spatial memory, ocular motility, pursuits and saccades, hold fixation, convergence/divergence, eye alignment, depth perception, Phorias, occipital cortex, blink rate, pain, migraine headaches, and/or balance of the user or human subject.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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