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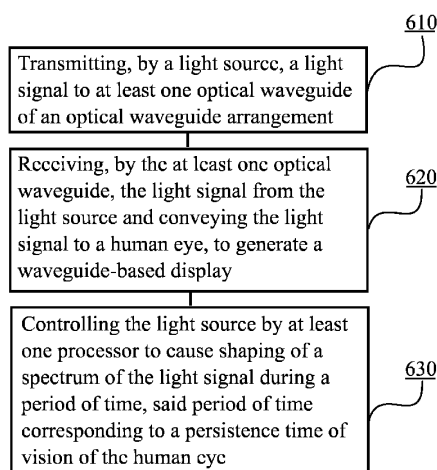
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(54) **Title:** AN OPTICAL WAVEGUIDE ARRANGEMENT FOR REDUCING INTERFERENCE PATTERNS



(57) **Abstract:** According to an example aspect of the present invention, there is provided an optical waveguide arrangement comprising a light source arranged to transmit a light signal to at least one optical waveguide of the optical waveguide arrangement, the at least one optical waveguide, wherein the at least one optical waveguide is arranged to receive the light signal from the light source and to convey the light signal to a human eye, to generate a waveguide-based display and at least one processor configured to control the light source, wherein the at least one processor is configured to cause shaping of a spectrum of the light signal during a period of time, said period of time corresponding to a persistence time of vision of the human eye, wherein the at least one processor is further configured to cause shaping of a spectrum of the light signal between a first wavelength and a second wavelength during said period of time and said shaping of the spectrum comprises sweeping a distinct spectral characteristic of the light signal during said period of time.

FIGURE 6

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