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(71) Applicant (for all designated States except US): **LU-MENFLOW CORP.** [US/US]; 4611 North M-37 Highway, Suite B, Middleville, Michigan 49333 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRUNT, Harold W., Jr.** [US/US]; 6934 Woodbrook, S.E., Grand Rapids, Michigan 49546 (US). **BOURGET, Paul L.** [US/US]; 2406 Sunny Creek Street, S.E., Kentwood, Michigan 49508 (US).

(74) Agents: **BURPEE, Charles E.** et al.; Warner Norcross & Judd LLP, 900 Fifth Third Center, 111 Lyon Street, N.W., Grand Rapids, Michigan 49503-2487 (US).

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(54) Title: CONSTRAINED FOLDED PATH RESONANT WHITE LIGHT SCINTILLATOR

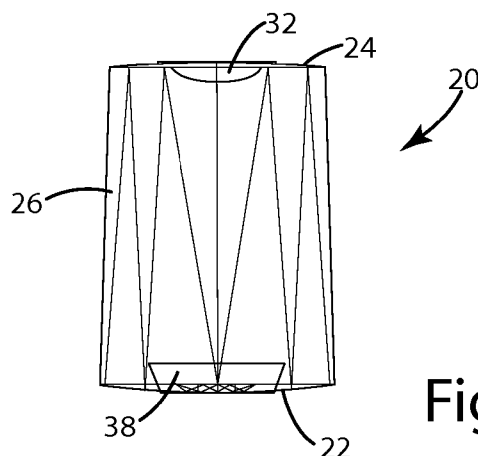


Fig. 8

(57) Abstract: An optical emitter enabling conversion of light from a light source. The optical emitter includes a first conic reflector defining an aperture for receiving the light source, a second conic reflector opposite the first conic reflector for collimating light emitted by the light source, and a volumetric light conversion element between at least a portion of the first reflector and at least a portion of the second reflector. The optical emitter can also include a convex mirror adjacent the vertex of the second conic reflector, and an elliptical element adjacent the first conic reflector. The light conversion element can include phosphor dispersed in a resin to convert light from a first wavelength to light of a second, longer, wavelength, wherein converted light is emitted from the light conversion element.

