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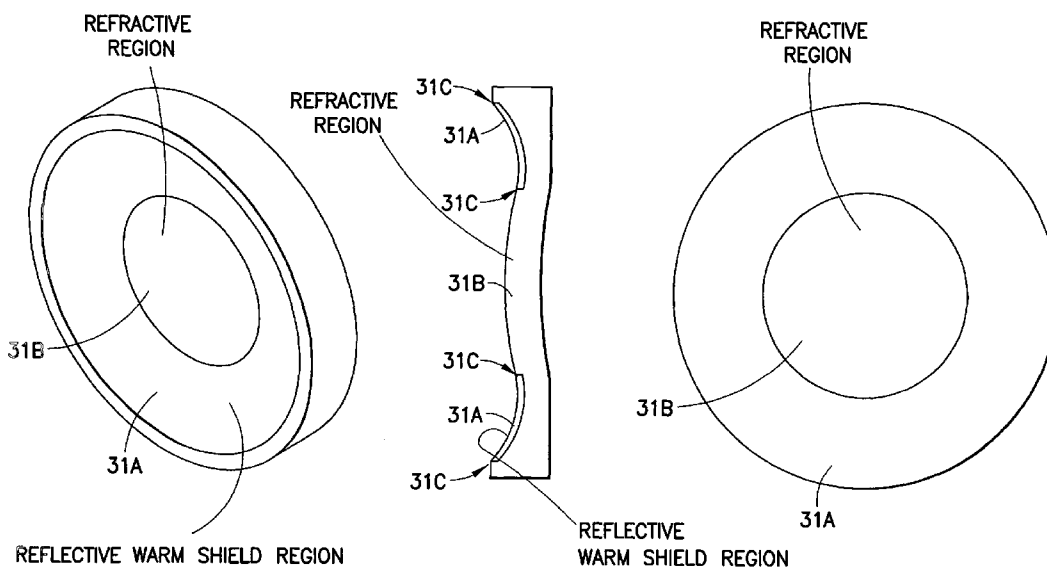
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(54) Title: MONOLITHIC LENS/REFLECTOR OPTICAL COMPONENT



(57) **Abstract:** A monolithic body (31) has a compound optical surface that defines a centrally located lens element (31B) that is transmissive to light having wavelengths of interest, such as infrared radiation (IR), and a reflector (31A) disposed about the lens element that is reflective to the light. The monolithic body is comprised of a material selected for fabricating a refractive lens element. The compound optical surface has a centrally located portion defining the lens element surrounded by a generally curved surface region having a reflective coating that defines the reflector. The centrally located portion may be coated with an anti-reflection coating. The compound optical surface is preferably formed in one operation, such as one that uses a diamond point turning operation.

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